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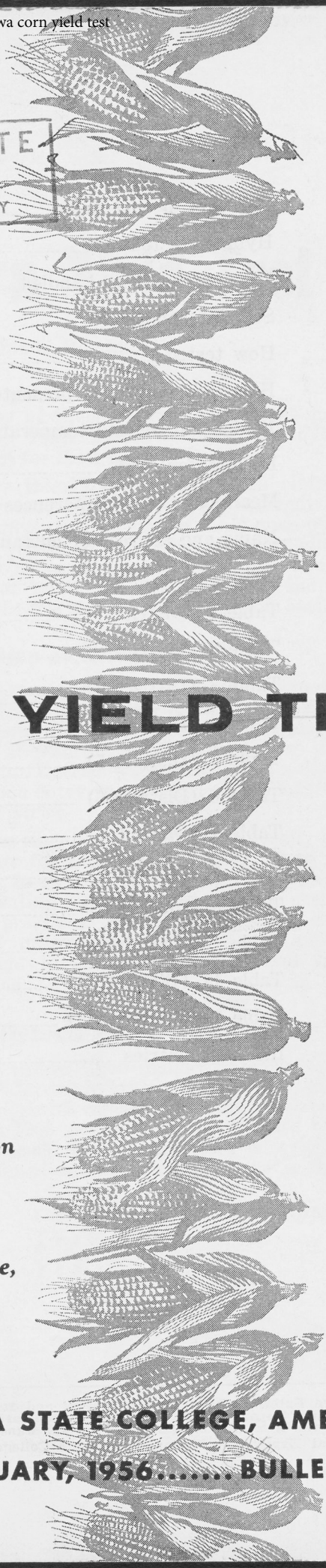

1955

IOWA CORN YIELD TEST

Agricultural Experiment Station
Agricultural Extension Service
Iowa Crop Improvement Association
Field Corps Research Branch,
Agricultural Research Service,
United States Department of Agriculture,
Cooperating

IOWA STATE COLLEGE, AMES, IOWA
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Cooperative Extension Work in Agriculture and Home Economics, Iowa State College of Agriculture and Mechanic Arts and the United States Department of Agriculture cooperating. Extension Service, Floyd Andre, director, Ames, Iowa. Distributed in furtherance of the Acts of Congress of May 8 and June 30, 1914.

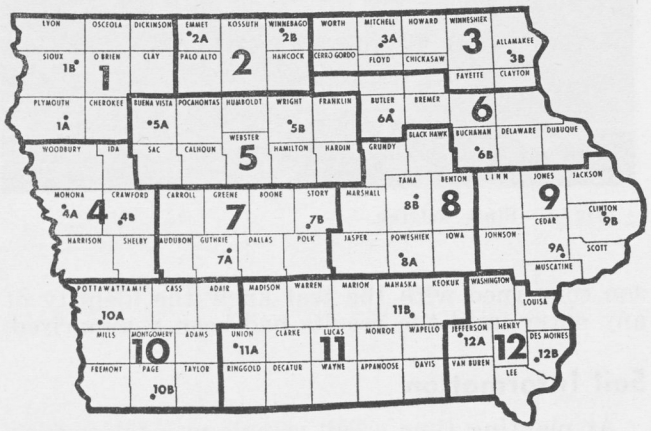
Agricultural Experiment Station, Iowa State College of Agriculture and Mechanic Arts, Floyd Andre, director, Ames, Iowa.

The 1955 Iowa Corn Yield Test[1]

By Charles D. Hutchcroft and Joe L. Robinson[2]

This bulletin reports the results of the thirty-sixth annual Iowa Corn Yield Test. Similar tests have been conducted by the Iowa Crop Improvement Association in cooperation with the Iowa Agricultural Experiment Station since 1920. The purpose of these tests is to provide information to help Iowa farmers select the hybrids best adapted for their areas.

More than 100 companies sell closed-pedigree hybrid seed corn in Iowa. Other individuals and companies produce and sell only open-pedigree hybrids. With so many hybrids available, it isn't easy to choose the ones best adapted to a particular farm or location. The function of the Iowa Corn Yield Test is to help make this task easier.



COOPERATOR	ADDRESS	DATE PLANTED	DATE HARVESTED
1A F. A. Lauters and Son	LeMars	May 9	Oct. 1
1B Alvin Linch	Sheldon	May 7	Oct. 7
2A John Greig	Estherville	May 5	Oct. 6
2B Harold Hove	Bricelyn, Minn.	May 5	Oct. 10
3A Leonard and Howard Thoresen	Osage	May 17	Oct. 11
3B Leo Byrnes	Waukon	May 12	Oct. 14
4A Harold Pratt	Whiting	May 9	Sept. 30
4B Louis Ahart	Dow City	May 10	Sept. 30
5A J. N. Horlacher and Son	Storm Lake	May 10	Oct. 3
5B R. W. Hagie	Clarion	May 11	Oct. 10
6A Warren Severs	Clarksville	May 11	Oct. 8
6B T. V. Van Laningham	Aurora	May 13	Oct. 15
7A Ralph Wood	Panora	May 7	Sept. 26
7B Val Racek	Huxley	May 12	Sept. 23-24
8A Carl Tokle	Grinnell, R-4	May 16	Oct. 1
8B Jos. B. Kucera	Traer	May 3	Sept. 22
9A Lyle Chapman	Durant	May 16	Oct. 19
9B Nels and Virtus Scott	Delmar	May 16	Oct. 18
10A Robert Behrens	Council Bluffs, R-2	May 11	Sept. 28-29
10B Earnest Borthwick	Clarinda, R-3	May 11	Sept. 27
11A Ed Hanrahan and Gene Dunphy	Creston, R-2	May 12	Sept. 29
11B Maurice Beaver	Cedar	May 17	Sept. 30
12A Homer Wiggins	Packwood	May 17	Oct. 3
12B Howard Waters	Danville	May 6	Oct. 6

Fig. 1. Division of state into districts and location of each test field. Name and address of each cooperator and dates of planting and harvesting are given below the map.

Location of Test Fields

The map (fig. 1) shows the division of the state into districts and the location of each test field. The name and address of each cooperator and the dates of planting and harvesting are listed below the map. Entries were accepted on a district basis, and each entry was planted at two locations within each district.

Plots were planted on land generally better than average for the area. However, there was no attempt to obtain the highest yield possible. Each cooperating farm operator used his customary cultural practices. We did try to locate each test on a field uniform in fertility, contour and past management to eliminate as much soil variation as possible.

The Hybrids Tested

We tested 1,000 district entries (consisting of 293 different hybrids) in Iowa in 1955. Seed of these hybrids reported as being available for planting in 1955 would be enough to plant two and one-half times the average Iowa corn acreage. The number of entries in each district is shown below.

District	*Entries*
1, 2, 4 and 7	90
5	100
3, 6, 8 and 9	81
10, 11 and 12	72

[1] Project 1170 of the Iowa Agricultural Experiment Station. The Iowa Corn Yield Test is conducted cooperatively by the Iowa Crop Improvement Association; Agronomy (Farm Crops) Department, Iowa Agricultural Experiment Station; and the Field Crops Research Branch, Agricultural Research Service, United States Department of Agriculture.

[2] Assistant professor of agronomy (farm crops), Iowa Agricultural Experiment Station; and secretary of the Iowa Crop Improvement Association, and professor of agronomy (farm crops), Iowa Agricultural Experiment Station, respectively.

All hybrids tested, except those entered by the Iowa Crop Improvement Association, were entered by the producers of the seed. Cost of testing was paid by the entrant. Entries include those made by commercial hybrid corn companies, by the cooperative corn breeding project and by the Iowa Crop Improvement Association. Entries by the latter group include several open-pedigree hybrids tested to determine their eligibility for certification.

How Entries Were Handled

Requirements and regulations for the 1955 test were established by a committee appointed by the president of the Iowa Crop Improvement Association (ICIA). Membership of this committee included hybrid corn seed producers, members of the ICIA and Iowa State College agronomists. Application blanks required information on the name and address of entrant, hybrid name and number, district entered, number of bushels available for planting in 1955, location of at least half of the seed and pedigree of the hybrid.

Seed for testing was obtained by representatives of the ICIA by sampling at random from supplies of seed to be sold to farmers. Each hybrid was numbered as the seed was packeted for planting, and two copies were made of the key to the entry numbers. One copy was sent to the president of the ICIA; the other was placed in a bank vault. Thus, all entries were known only by the assigned number until after all plots were harvested and the results summarized. With this system, no person concerned with the test knew the identity of any entry until the results had been summarized.

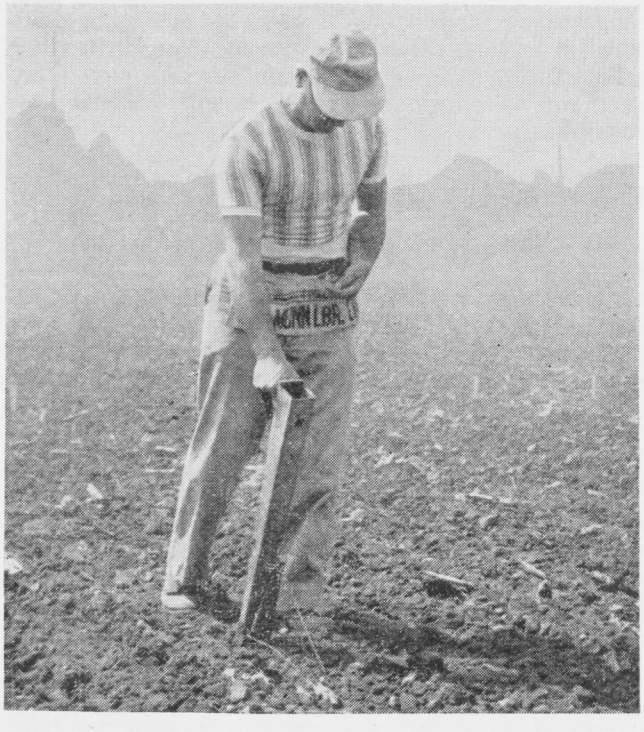


Fig. 2. Four kernels were planted per hill.

Fig. 3. Stalk lodging.

Soil Information

At planting time a soil sample was taken from each test field. We also obtained information about past soil management from each cooperator. The soil type was determined by members of the soils staff, and the sample was tested by the Iowa State College Soil Testing Laboratory. Information about soil type, soil management and soil fertility is summarized in table A.

How Tested

Four kernels per hill were planted in each plot, and each entry was repeated three times at each location. No adjustments in yield were made because of reduced stand unless one or more entire hills were missing.

We recorded and summarized six characteristics of each hybrid:

Number of plants and number of missing hills were recorded for each plot in August. Percent stand was found by dividing the number of plants by the number that would have been present if all kernels had produced plants. Stand reductions may result from such things as poor germination, diseased kernels, damaged kernels, insects, rodents, cultivations, etc.

Each entry was checked for root lodging, stalk lodging and number of dropped ears just before harvest. Plants broken below the ear were counted

TABLE A. INFORMATION ABOUT THE SOIL WHERE THE TEST PLOTS WERE PLANTED.

Location	Soil type*	Lime requirements	Available nitrogen	Available phosphorus	Available potassium	Organic matter	Previous management
DISTRICT 1A Plymouth County	Galva silt loam	1½ tons	Medium	Medium	High	Medium+	Brome-Alfalfa 1953-1954; 100 lbs. 82-0-0 (anhydrous) 1955.
DISTRICT 1B Sioux County	Marcus silty clay loam	2 tons	High	High	High	Medium+	Corn 1953; Soybeans 1954; 150 lb. 8-32-0 1955.
DISTRICT 2A Emmett County	Webster silty clay loam	None	Medium	Low	Low Medium	High	Oats 1953; Brome-Alfalfa 1954; 300 lb. 0-18-0 and 100 lb. 33.5-0-0 Fall 1954.
DISTRICT 2B Winnebago County	Nicollet loam	None	High	Medium	High	High	Corn 1953; Oats 1954; 220 lb. 5-20-20 1955; 6 tons manure 1955.
DISTRICT 3A Mitchell County	Carrington loam	None	Medium High	Low	High	Medium	Pasture 1953; Corn 1954; 125 lb. 0-30-30, 80 lb. 5-20-20 & 60 lb. Nitrogen (anhydrous) 1955.
DISTRICT 3B Allamakee County	Fayette silt loam	1½ tons	Medium	Very-Low Low	Low	Medium	Brome-Alfalfa pasture 1953 & 1954; 120 lb. 5-20-20 1955; 2½ tons lime 1950.
DISTRICT 4A Monona County	Salix silt loam	None	Medium High	Medium High	High	Medium+	Corn 1953; Soybeans 1954; 300 lb. 33-0-0 & 180 lb. 0-48-0 Fall 1954.
DISTRICT 4B Crawford County	Judson silt loam	1½ tons	Medium High	High	High	Medium+	Corn 1953; Soybeans 1954; 100 lb. 82-0-0 1955.
DISTRICT 5A Buena Vista County	Webster & Nicollet silty clay loams	3 tons	Medium High	Low	Medium	Medium+	Oats 1953; Meadow 1954; 100 lb. Nitrogen (anhydrous) & 200 lb. 0-20-0 1955.
DISTRICT 5B Wright County	Webster silty clay loam and Nicollet loam	None	Medium	Low	Low Medium	High	Corn 1953; Oats with clover plowed down 1954; 250 lb. 0-20-10 Fall 1954; 50 lb. Nitrogen 1955.
DISTRICT 6A Butler County	Carrington sandy loam	None	Medium	Low	Medium	Medium+	Alfalfa 1953; Corn 1954; 200 lb. 14-14-14, 100 lb. 5-20-20 (starter), 120 lb. 33-0-0 (sidedress) 1955; 10 tons manure 1955; 4 tons lime 1952.
DISTRICT 6B Buchanan County	Floyd & Carrington silt loams	1½ tons	Medium High	Low Medium	Low	Medium+	Oats 1953; Pasture 1954; 100 lb. 5-20-20 1955; 4 tons manure 1954.
DISTRICT 7A Guthrie County	Clarion loam	4 tons	Medium High	High	High	Medium+	Corn 1953; Oats 1954; 240 lb. 5-20-10 1955.
DISTRICT 7B Story County	Nicollet loam	None	Medium High	Very-Low	Low Medium	High	Corn 1953; Oats seeded to red & sweet clover 1954; 200 lb. 33-0-0, 100 lb. 0-62-0, 100 lb. 0-0-60 1955; 5 tons manure 1955.
DISTRICT 8A Poweshiek County	Muscatine silt loam	None	Medium High	Medium	High	Medium+	Corn 1953, Oats 1954, 5 tons manure 1955; 1½ tons lime 1953.
DISTRICT 8B Tama County	Muscatine silt loam	1½ tons	High	Medium	High	Medium+	Bluegrass pasture 1953; Corn 1954; 5 tons manure 1955.
DISTRICT 9A Cedar County	Tama silt loam	2½ tons	Medium High	Medium	High	Medium	Oats 1953; Meadow 1954.
DISTRICT 9B Clinton County	Tama silt loam	1½ tons	Medium High	Medium	Medium	Medium	Alfalfa 1953 & 1954; 3½ tons lime 1953.
DISTRICT 10A Pottawattamie County	Marshall silt loam	None	Medium High	High	High	Medium+	Oats 1953; Red Clover 1954.
DISTRICT 11A Union County	Winterset silty clay loam	None	Medium High	Medium	High	Medium+	Oats 1953; Meadow 1954; 2½ tons lime 1950.
DISTRICT 11B Mahaska County	Mahaska silt loam	2 tons	Medium	Medium	Medium	Medium+	Corn 1953; Oats 1954; 270 lb. 33-0-0 1955; 1 ton manure 1955; 2 tons lime 1954.
DISTRICT 12A Jefferson County	Taintor silty clay loam	None	Medium High	Medium High	Medium	Medium+	Red clover 1953; Soybeans 1954; 200 lb. 12-12-12 & 100 lb. 5-20-10 1955; 3 tons manure 1955; 4 tons limestone 1951.
DISTRICT 12B Des Moines County	Taintor silty clay loam	1½ tons	Medium High	High	High	High	Alfalfa 1953 & 1954; 3 tons manure 1954.

*The soil types indicated were approved by F. F. Rieken, professor of soils, Iowa State College, Ames, Iowa.

in each plot and called stalk lodged. Plants leaning more than 30 degrees were called root lodged. Moisture content was determined when the corn was harvested.

Yield was determined by harvesting and weighing corn harvested from each plot. The average yield of all plots of each entry was converted to bushels of shelled corn per acre with 15.5 percent moisture.

How Information is Presented

The performance of each hybrid is given in tables 1 to 12. An index listing the hybrids in alphabetical order is shown in the back of the bulletin. In the index you will find each hybrid name and number, district where tested and the bushels available for planting in 1955.

Hybrids tested over a 3-year period are shown in the first part of the table followed by those tested for 2 years. The 1955 results are given as the last portion of each table. No data was obtained before 1955 in districts 2 and 8 because of relocation of districts in 1955. The 1954 field in district 10 was not harvested, so only 1953 and 1955 data are presented in the period-of-years summary for this district.

The presentation of these results does not imply approval of these hybrids by the Iowa Crop Improvement Association or the Iowa Agricultural Experiment Station.

A hybrid may have performed better or worse than normal because a critical period of growth came before, during or after the hot days of late July and early August. Therefore, we believe the performance record of a hybrid over a period of years is of more value than the performance record for 1 year. This may be particularly true in 1955 because of severe drouth conditions in some areas.

You may interpret the results of the test quite differently than your neighbor. Yield usually is considered important by most farmers. Moisture content (indicating maturity), resistance to lodging and percent dropped ears also have varying degrees of importance. A comparison of the characters of each hybrid with the average of all entries may be useful. The average value for all hybrids is found in bold-faced (black) type at the top of each table.

Yields can be greatly affected by stand. Consider the relative stands when comparing the yields of two hybrids.

1955 Moisture and Temperature[3]

Prospects for a corn crop were good in May and June, and early estimates indicated the fourth largest corn crop on record. Yields were reduced by adverse temperature and moisture conditions in later months. July had the highest average temperature since 1936 and the third highest since 1873. Precipitation was only 0.32 inch below normal, but high temperatures and hot winds on the last 2 days of July damaged the corn—particularly fields in the pollinating stage of growth. The first 6 days of August continued hot, and rainfall was less than half of normal during the month. The average August temperature was 77.2°, or 4.6° above normal. August was the fifth hottest on record. September continued warm with 2.3° above normal, coupled with three-fourths of normal rainfall.

Extreme variations in rainfall in localized areas, previous cropping history, time of planting, date of tasseling and many other factors caused some 1955 yields to be quite different from field to field.

Fig. 4. Moisture sampling crew at work.

Results for 1955

Yields were erratic—varying from almost nothing to some of the highest ever obtained. In general, yields were low in western Iowa, with higher yields in northern and eastern Iowa. Four district yields averaged over 100 bushels per acre. The average yield of all fields harvested (except Clarinda) is 85.7 bushels. The average yield of all tests planted since 1940 is 80.3 bushels per acre.

Information obtained at Clarinda was not used because of low yields and differences in yield which did not appear to be due to varietal affects.

Stands were excellent, averaging almost 88 percent, compared with a 16-year average of 84 percent. Eight field locations had stands averaging 90 percent or more. At Sheldon 96 percent of the planted kernels matured and were harvested.

The moisture percentage was low in 1955, even though harvest was almost 2 weeks ahead of normal. Corn averaged 18.1-percent moisture in

[3] Information taken from Climatological Data for Iowa, June through September, U. S. Department of Commerce, Weather Bureau, 1955.

1955, compared with 21.1-percent average over the past 16 years. Drier corn was harvested in only 2 years, 1949 and 1953.

Lodging was higher than normal when compared with the 16-year average. Root lodging was severe in districts 5, 6 and 10, and most of this occurred at Clarion, Independence and Treynor. Stalk lodging occurred in varying amounts at all locations but was highest at Creston and Delmar. The highest stalk lodging occurred in district 9 where 30 percent of the stalks were broken.

The average percentage of dropped ears in 1955 was higher than the average for the past 16 years. The 1955 average of 2.7 percent dropped ears was equalled in 1954 and excelled only in 1949 and 1953. Over 5 percent of the ears were on the ground at Durant and Creston.

A comparison of the averages of all yield test fields harvested for each of the 16 past years is shown in table B.

Meaning of Yield Differences[4]

Hundreds of hybrids are offered for sale each year. One hybrid may be chosen over another with equal or greater yielding ability because the one chosen has other desirable characteristics.

If your primary concern is yield differences, here are a few pointers to remember in using the tables:

It isn't possible to determine yield differences with absolute precision. We know there will be differences in yield between two entries of the same hybrid. Variations in soil, stand, etc. cause this difference. Statistical analysis helps us decide whether a yield difference is "real" or whether it might have occurred by chance. As yield differences become smaller the importance of deciding if they are "real" or "chance" differences becomes greater.

Suppose you wish to compare the yield of two randomly selected hybrids. At the top of each table you'll find what we call "LSD" (least significant difference) values.

A significant or "real" difference is an observed difference that is larger than the LSD value. Where the differences between yields listed in the 1955 results are significant (greater than the LSD), then you can be confident that there is a real difference between the two hybrids unless within the limits of chance. The chance or odds of being in error can be any value that you wish to accept. In the tables of data, we have calculated three different sets of values based on the odds you may be willing to accept. These odds are 1 to 1, 1 to 4 or 1 to 19. If the observed difference is less than the LSD value, the difference might still be real, but because of chance factors, the experiment produced no evidence of a real difference.

You can apply the information in the tables to other areas in the district, such as your farm, if conditions are the same. Rainfall and temperature vary from year to year. Soil type, fertility level, past management, stand level, etc., vary from farm to farm and fields within a farm. These are some of the changing factors that make continued testing necessary. They are also the factors that may cause performance data to seem inconsistent from year to year. We hope you will evaluate the results accordingly. Performance over a period of years is usually more reliable than that for a single year.

[4] The authors are indebted to Professor Theodore Horner for advice given on statistical procedure used in this bulletin.

TABLE B. YEARLY SUMMARY 1940 THROUGH 1955, AVERAGE OF ALL DISTRICTS HARVESTED.

Year	Average yield bu./acre	Average stand pct.	Average moisture pct.	Average lodging pct.	Average dropped ears pct.
1940	72.0	85.2	19.4	6.9	0.6
1941	68.3	87.2	20.7	34.9	1.0
1942	82.1	82.4	21.9	8.2	0.2
1943	83.1	78.9	24.7	9.1	0.2
1944	76.6	84.9	21.6	4.7	0.3
1945	71.8	86.8	24.9	28.3	0.8
1946	88.1	80.4	22.9	24.0	0.6
1947	55.1	80.6	18.3	27.9	1.0
1948	88.8	82.0	19.8	14.1	1.1
1949	77.3	84.5	17.2	34.5	8.6
1950	74.8	85.5	20.0	13.0	0.6
1951	70.6	87.4	27.7	21.1	0.4
1952	97.3	84.2	22.0	4.7	0.6
1953	95.9	80.8	15.8	13.1	3.3
1954	97.4	85.7	22.1	14.3	2.7
1955	85.7	87.6	18.1	23.6	2.7
Average	80.3	84.0	21.1	17.7	1.5

Name and address of entrants in the 1955 Iowa Corn Yield Test are listed below along with the designation(s) used to identify the hybrids in this test.

Name and address of entrant	Designation
Berry Seed Co., Clarinda	Berry
Coppock, Marion, Ankeny	AES
Cornelius Hybrid Corn Co., Bellevue	Cornelius & Iowa
Cornhusker Hybrid Co., Fremont, Nebr.	Cornhusker
DeKalb Agricultural Assn., DeKalb, Ill.	DeKalb
Dockendorff, Max, Danville	Dockendorff
Farmers Hybrid Seed Corn Co., Hampton	Farmers
Frundt Seed Co., Pella	Frundt
Funk Bros. Seed Co., Belle Plaine	Funk
Garst & Thomas Hybrid Corn Co., Coon Rapids	Pioneer
Gourley, Willis P., Villisca	AES & Gourley
Green Acres, Hartington, Nebr.	Green Acres
Grieve, Malcolm H., Pierson	Corn King
Gruhn Hybrid Corn Co., Manilla	Gruhn
Harper Hardy Hybrids, Vinton	Harper
Holden Foundation Hybrids Williamsburg	Holden
Holden Hybrid Seed Farms, Tipton	Holden
Iowa Crop Imp. Assn., Ames	AES, Iowa, Minn., Ohio & U. S.
Iowa-Missouri Hybrid Corn Co., Keosauqua	AES
Iowa State Hybrid Corn Co., Elkhart	Iowa & Ohio
Isenhart, J. H., Batavia	AES & Ohio
Jacobsen Hybrid Corn Co., Lake View	Jacobsen
Johnson, O. W., & Son, LeGrand	Iowa
King Hybrids, Pisgah	King
Matheson, L. V., Buffalo Center	Matheson
Earl May Seed Co., Shenandoah	Maygold
McAllister Seed Farms, Mt. Pleasant	McAllister
McCurdy, W. O., & Sons, Fremont	McCurdy
McNeilly Seed Co., Shenandoah	McNeilly
Middlekoop, John, Packwood	Middlekoop
Moews Seed Co., Granville, Ill.	Moews
Munson Hybrids, Galesburg, Ill.	Munson
Nebraska Certified Seed Prod. Assn., Lincoln, Nebr.	AES
North Iowa Agr. Exp. Assn., Kanawha	N.I.A.E.A.
Northrup King & Co., Waterloo	Kingscrost
Pfister Associated Growers, Inc., Aurora, Ill.	PAG
Pioneer Hi-Bred Corn Co., Des Moines	Pioneer
Renk, Wm. F., & Sons, Sun Prairie, Wisc.	Renk
Stewart Hybrids, Princeville, Ill.	Stewart
Thompson Hybrid Corn Co., Belmond	Carlson & Tomahawk
Trojan Seed Co., Olivia, Minn.	Trojan
Turner Hybrid Seed Corn Co., Grand Junction	Turner
United-Hagie Hybrids, Inc., Des Moines	United
USDA & Department of Agronomy, Ames	Iowa
Winterset Hybrid Co., Winterset	AES & Winterset

Pedigrees of experiment station and U. S. hybrids tested in 1955 are listed below.

Hybrid	Pedigree
AES 801	(WF9 x B7) x (B10 x B14)
AES 806	(WF9 x Hy) x (N6 x N15)
Iowa 306	(WF9 x Os420) x (L289 x I205)
Iowa 4249	(WF9 x Os420) x (M14 x 187-2)
Iowa 4297	(WF9 x I205) x (M14 x 187-2)
Iowa 4298	(WF9 x M14) x (Os420 x 187-2)
Iowa 4316	(WF9 x M14) x (L289 x I205)
Iowa 4376	(WF9 x B6) x (M14 x 187-2)
Iowa 4385	(WF9 x 38-11) x (187-2 x Oh07)
Iowa 4397	(WF9 x I205) x (M14 x W22)
Iowa 4412	(WF9 x Hy) x (M14 x 187-2)
Iowa 4417	(WF9 x M14) x (B8 x I153)
Iowa 4418	(WF9 x M14) x (I205 x W22)
Iowa 4439	(WF9 x B7) x (M14 x 187-2)
Iowa 4449	(WF9 x 38-11) x (Hy x B10)
Iowa 4450	(WF9 x M14) x (I205 x 187-2)
Iowa 4470	(WF9 x M14) x (L289 x B6)
Iowa 4483	(WF9 x M14) x (B8 x B16)
Iowa 4513	(WF9 x 38-11) x (Os420 x 187-2)
Iowa 4517	(WF9 x Hy) x (B7 x B14)
Iowa 4542	(WF9 x I153) x (B8 x M14)
Iowa 4558	(WF9 x M14) x (B8 x B21)
Iowa 4565	(WF9 x Oh41) x (B10 x B14)
Iowa 4570	(WF9 x B14) x (M14 x 187-2)
Iowa 4574	(WF9 x B14) x (187-2 x Os420)
Iowa 4575	(WF9 x B14) x (Os420 x M14)
Iowa 4576	(WF9 x M14) x (B7 x B14)
Iowa 4613	(WF9 x Hy) x (B14 x Oh41)
Iowa 4617	(WF9 x 38-11) x (B7 x B14)
Iowa 4618	(WF9 x 38-11) x (B7 x Hy)
Iowa 4622	(WF9 x 38-11) x (B14 x Oh41)
Iowa 4630	(WF9 x Oh51A) x (M14 x B21)
Iowa 4644	(WF9 x Oh51A) x (I153 x W22)
Iowa 4645	(WF9 x Oh51A) x (M14 x W22)
Iowa 4646	(WF9 x Oh51A) x (Oh28 x W22)
Iowa 4652	(WF9 x M14) x (B14 x W22)
Iowa 4667	(WF9 x Hy) x (Oh41 x C103)
Iowa 4688	(WF9 x Oh41) x (B10 x Hy)
Iowa 4695	(WF9 x M14) x (Oh45 x C103)
Iowa 4702	(WF9 x M14) x (B8 x Oh43)
Iowa 4720	(WF9 x Oh45) x (W22 x B37)
Iowa 4722	(WF9 x Oh45) x (B37 x M14)
Iowa 4738	(WF9 x 38-11) x (B14 x Oh45)
Iowa 4744	(WF9 x B14) x (Hy x N6)
Minn. 608	(A340 x A334) x (A392 x A357)
Ohio C92	(WF9 x 38-11) x (Hy x Oh07)
U. S. Hybrid 13	(WF9 x 38-11) x (Hy x L317)

TABLE 1. AVERAGE PERFORMANCE OF HYBRIDS TESTED IN DISTRICT 1. ALL HYBRIDS ARE DOUBLE CROSSES UNLESS MARKED OTHERWISE.

Hybrid	Acre yield bu.	Stand pct.	Moist. pct.	Lodging pct. root	Lodging pct. stalk	Dropped ears pct.
3-YEAR AVERAGE—1953-1954-1955						
Average all entries	97.7	90	18.1	2.9	7.6	2.7
Pioneer 352	105	90	18	3	5	2
Pioneer 349	105	90	17	4	8	3
McCurdy 111-1	105	92	21	6	3	2
Pioneer 371	104	93	17	2	7	3
PAG 244	101	94	18	2	7	2
PAG 297	101	89	19	0	4	2
PAG 303	100	89	20	2	7	4
Corn King 112 (Three-way x)	100	93	20	3	10	3
Iowa 4316	100	90	18	5	13	3
Farmers 427A	99	91	19	7	11	2
PAG 277	99	87	19	3	7	3
PAG 234	98	94	18	1	8	3
Kingscrost KO5	97	89	17	3	9	2
Kingscrost KT	97	90	17	1	8	4
Pioneer 344	97	91	19	6	9	3
Pioneer 347	96	90	18	3	7	2
United UH-32a	96	86	18	3	6	3
DeKalb 406	95	91	18	5	6	5
Maygold 99A	95	87	19	4	9	5
Iowa 4297	95	88	19	2	7	2
Farmers 259	95	92	17	3	10	1
Trojan F-102	94	91	18	2	10	2
Maygold 89	94	86	19	1	5	3
Jacobsen J10A	93	89	16	0	7	1
Iowa 4417	91	92	16	6	9	3
Funk G-6	90	92	16	2	7	1
2-YEAR AVERAGE—1954-1955						
Average all entries	94.4	91	18.7	3.9	9.0	2.6
Pioneer 371	104	93	18	2	8	2
Pioneer 349	102	90	18	5	8	3
Pioneer 352	102	90	19	4	6	2
PAG 297	101	90	20	0	5	2
McCurdy 111-1	101	93	21	9	4	1
PAG 303	99	91	21	3	9	4
PAG 244	98	93	18	3	9	2
United UH-36	97	93	19	6	4	4
Funk G-16A	97	89	21	2	10	2
DeKalb 252	97	91	18	7	13	3
Kingscrost KT	97	91	18	1	9	3
Corn King 112 (Three-way x)	96	94	22	4	13	3
Farmers 319	96	92	19	2	9	3
PAG 277	96	86	19	4	10	3
PAG 234	95	94	18	2	9	3
United UH-214	95	93	17	1	7	3
Farmers 427A	95	90	19	10	13	2
Iowa 4316	95	89	19	5	14	4
United UH-39	95	92	19	7	7	3
McCurdy 111M	95	89	19	0	5	3
Pioneer 347	95	91	18	4	9	2
Pioneer 344	94	91	20	8	9	4
United UH-32a	94	87	19	4	6	2
Iowa 4297	94	87	20	3	10	3
United UH-30a	93	92	18	1	4	2
Kingscrost KO5	93	89	18	4	10	2
Trojan F-102	93	92	19	4	13	1
Farmers 259	93	90	18	4	12	2
Maygold 99A	93	90	20	4	9	5
PAG 57	93	93	17	1	10	1
Funk G-30A	92	86	20	7	10	3
DeKalb 406	92	92	19	7	7	6
Berry 450	92	91	20	2	7	3
Iowa 4483	91	92	17	5	10	4
Maygold 89	91	84	19	2	5	2
Turner T216	91	90	19	3	9	1
Moews 15	91	91	18	1	6	2
Moews 14E	90	89	19	1	18	3
Iowa 4417	89	92	16	7	11	2
Fung G-6	88	92	16	1	10	1
Jacobsen J10A	88	86	17	0	8	1
DeKalb 455	84	92	19	14	15	2

1955 RESULTS

Ninety hybrids were tested at two locations. The average performance of each hybrid is given below. If you state that there is a "real" difference between two randomly selected hybrids when the observed difference in yields exceeds an "LSD" value shown, then your odds of being wrong are 1 to 1, 1 to 4 or 1 to 19 depending on your choice. **(See text, page 7.)**

Odds	LSD (bushels)
1 to 1	4
1 to 4	8
1 to 19	12

Hybrid	Acre yield bu.	Stand pct.	Moist. pct.	Lodging pct. root	Lodging pct. stalk	Dropped ears pct.
Average all entries	101.2	90.3	15.4	0.1	10.0	1.9
DeKalb 414	113	93	16	0	9	1
Holden H72	112	88	17	0	4	1
Funk G-33A	112	96	16	0	4	0
Corn King 113 (Three-way x)	110	91	15	0	3	3
PAG 303	110	94	17	0	10	3
Pioneer 352	109	89	15	0	7	1
Kingscrost KT	109	93	14	0	11	2
Tomahawk 43	109	90	16	0	13	0
Pioneer 371	109	90	14	1	10	2
Iowa 4575	109	87	17	0	9	1
PAG X7220	108	95	14	1	3	2
Iowa 4470	108	91	17	1	12	2
United UH-36	108	93	15	0	5	3
Pioneer 349	108	87	15	0	8	2
McCurdy 111-1	108	91	17	0	5	0
Kingscrost KO4	107	96	15	0	7	2
N.I.A.E.A. 333	107	93	15	0	4	0
Iowa 4570 (Cornelius)	106	95	15	0	6	1
PAG 297	106	90	16	0	6	2
Funk G-75A	106	92	17	0	7	1
Maygold 89	106	86	16	0	4	0
Pioneer 354	105	89	15	0	8	4
DeKalb 409	105	87	14	0	7	1
DeKalb 630	105	90	18	0	9	3
Farmers 327	105	89	15	0	5	2
Maygold 97	105	92	16	0	10	1
N.I.A.E.A. 444	104	84	18	0	14	2
Iowa 4397	104	89	16	0	9	1
Farmers 285	104	94	14	0	5	2
Trojan F-104	104	95	15	0	5	1
United UH-32a	104	88	16	0	7	4
Pioneer 325	104	90	17	0	9	2
PAG 299	103	88	16	0	18	2
Kingscrost KO5	103	88	14	0	11	1
Moews 16	103	90	16	0	9	3
Iowa 4298	103	93	18	0	11	2
Carlson C12	103	95	15	0	8	1
United UH-39	102	93	16	0	9	4
Farmers 319	102	89	15	0	13	2
DeKalb 406	102	93	16	0	9	5
Pioneer 344	102	89	16	0	10	2
Iowa 4297	102	83	16	0	14	2
Iowa 4316	101	89	16	0	19	2
United UH-30a	101	93	15	0	5	2
Maygold 67	101	88	17	0	11	3
Funk G-16A	101	90	17	0	13	3
PAG 244	101	91	15	0	11	0
Iowa 4376	101	88	17	0	9	0
PAG 234	101	95	15	0	11	3
DeKalb 459	101	88	15	0	8	0
Pioneer X2772	101	93	14	0	17	1
Maygold 99A	100	92	16	0	11	4
Farmers 427A	100	93	16	0	22	2
Corn King 112 (Three-way x)	100	93	17	0	22	3
Funk G-23	100	93	15	0	9	1
Iowa 4646	100	87	15	0	4	1
Iowa 4702	99	91	15	0	4	0
Moews 5060	99	92	17	0	10	1
Trojan F-102	99	88	15	0	18	1
United UH-214	99	92	14	0	9	2

TABLE 1—DISTRICT 1 (Continued)

Hybrid	Acre yield bu.	Stand pct.	Moist. pct.	Lodging pct. root	Lodging pct. stalk	Dropped ears pct.
Maygold 107	99	88	14	0	5	1
Funk G-22	98	85	15	0	4	3
DeKalb 252	98	92	15	0	15	3
PAG 277	98	86	16	0	12	0
Funk 42042	98	92	16	0	8	2
Farmers 259	98	89	15	0	17	2
Farmers 309	98	91	16	0	15	2
Iowa 4652	98	91	15	0	5	2
PAG 71 (multiple x)	98	91	15	0	7	2
Farmers 223	98	95	14	0	14	2
Pioneer 347	97	90	14	0	12	2
Funk G-20	96	92	14	0	23	2
Moews 15	96	90	15	0	7	2
United UH-428	96	91	16	0	18	2
Iowa 4483	96	90	13	0	9	1
Turner T216	96	89	16	0	10	1
McCurdy 111M	96	88	15	0	4	1
DeKalb 402	96	90	16	0	10	0
DeKalb 450	95	87	16	0	9	1
PAG 57	94	90	14	0	13	2
Farmers 222	94	90	14	0	5	3
Moews 14E	94	92	15	0	27	3
Funk G-30A	94	82	17	0	14	3
United UH-36a	92	90	17	0	5	1
Iowa 4417	92	92	14	2	13	3
Berry 450	90	89	16	0	8	2
DeKalb 455	90	93	15	0	20	1
Jacobsen J10A	87	83	14	0	10	2
Iowa 4418	87	86	16	0	9	2
Funk G-6	87	93	13	0	13	0

TABLE 2. AVERAGE PERFORMANCE OF HYBRIDS TESTED IN DISTRICT 2. ALL HYBRIDS ARE DOUBLE CROSSES UNLESS MARKED OTHERWISE.

1955 RESULTS

Ninety hybrids were tested at two locations. The average performance of each hybrid is given below. If you state that there is a "real" difference between two randomly selected hybrids when the observed difference in yields exceeds an "LSD" value shown, then the odds of being wrong are 1 to 1, 1 to 4 or 1 to 19 depending on your choice. **(See text, page 7.)**

Odds	LSD (bushels)
1 to 1	7
1 to 4	14
1 to 19	22

Hybrid	Acre yield bu.	Stand pct.	Moist. pct.	Lodging pct. root	Lodging pct. stalk	Dropped ears pct.
Average all entries	103.6	79.2	18.3	0.0	7.6	1.6
DeKalb 406	123	83	17	0	6	2
DeKalb 627	119	83	20	0	8	2
Tomahawk 43	118	89	19	0	10	0
United UH-32a	118	83	19	0	5	0
Holden H72	118	80	21	0	8	0
Iowa 4645	118	87	18	0	5	3
Pioneer 371	117	84	17	0	7	3
Pioneer 347	116	79	19	0	6	1
Turner T36	115	82	21	0	5	0
Meows 5060	115	85	20	0	6	2
Pioneer 352	115	78	19	0	6	2
Corn King 112 (Three-way x)	114	81	19	0	3	2
N.I.A.E.A. 444	113	81	19	0	6	2
Funk G-16A	113	82	19	0	7	2
DeKalb 409	112	83	18	0	3	2
DeKalb 450	112	82	18	0	4	3
PAG 299	112	79	19	0	5	1
United UH-30a	112	84	18	0	4	1
Maygold 67	111	78	19	0	8	2
PAG 277	111	75	20	0	7	3
DeKalb 414	111	79	19	0	4	1
Iowa 4630	109	77	17	0	5	3
McCurdy 111-1	109	76	21	0	7	2
Pioneer 349	109	85	18	0	8	1
Funk G-33A	109	83	18	0	4	1
Farmers 427A	108	74	19	0	6	1
Harper 303H	108	84	20	0	5	1
United UH-214	107	82	17	0	10	1
Pioneer 354	107	80	18	0	6	5
Funk G-75A	107	83	21	0	6	0
Farmers 319	106	86	18	0	12	0
Funk G-30A	106	82	18	0	7	1
Maygold 97	106	71	19	0	8	1
Iowa 4470	105	76	19	0	9	2
Farmers 285	105	87	18	0	4	1
PAG 71 (multiple x)	105	83	17	0	8	2
Cornelius 252C	105	82	18	0	7	3
PAG 244	104	77	18	0	8	2
PAG X8482	104	83	17	0	7	3
Iowa 4418	104	79	19	0	5	1
Kingscrost KT	104	79	17	0	6	2
Iowa 4558	104	83	16	0	10	1
Pioneer X2772	103	80	17	0	15	3
McCurdy 96M	103	79	18	0	5	0
Iowa 4298	103	75	19	0	11	1
Iowa 4316	103	77	18	0	11	3
United UH-36a	103	82	19	0	5	1
Maygold 89	102	78	19	0	4	1
Pioneer 344	102	73	20	0	13	2
Farmers 223	101	88	17	0	10	2
PAG 58	101	80	17	0	10	1
Funk G-22	101	84	19	0	2	1
Iowa 4417	101	81	16	0	11	1
N.I.A.E.A. 333	101	83	18	0	6	1
PAG X7220	100	85	18	0	8	2
Moews 5063	100	75	19	0	6	1
Iowa 4483	99	74	16	0	6	2
DeKalb 455	99	78	19	1	7	4
Farmers 309	99	83	19	0	11	1
Iowa 4397	99	75	19	0	7	0
United UH-461c	99	78	18	0	6	2
Moews 15	99	73	18	0	4	1
United UH-36	99	78	19	0	7	2
United UH-39	99	76	18	0	7	1
Trojan F-104	98	80	19	0	9	2
DeKalb 459	98	71	19	0	8	2
Farmers 259	98	86	17	0	6	0
Maygold 107	97	78	16	0	9	3
Farmers 222	97	78	17	1	9	3
Funk G-6	97	83	17	0	8	1
Kingscrost KO4	97	79	18	0	13	1
PAG 234	97	78	19	0	15	2
Iowa 4644	96	69	16	0	8	2
Moews 14E	96	78	18	0	10	1
Carlson C12	96	83	18	0	10	2
Pioneer 377A	96	72	16	0	5	4
Iowa 4542	95	79	16	0	14	1
Funk 42042	95	75	18	0	8	2
Funk G-23	94	77	18	1	5	1
PAG 257	94	81	17	1	8	0
DeKalb 252	94	85	17	0	18	2
Farmers 327	94	73	19	0	5	2
Kingscrost KO5	94	75	18	0	8	6
Trojan F-102	93	69	19	0	10	1
Funk G-20	93	73	17	0	8	2
Turner T216	92	75	19	0	9	3
Maygold 99A	92	73	20	0	8	2
DeKalb 402	90	68	18	0	9	1
Berry 425	90	72	18	0	10	5
Matheson 210	89	80	16	1	12	1

TABLE 3. AVERAGE PERFORMANCE OF HYBRIDS TESTED IN DISTRICT 3. ALL HYBRIDS ARE DOUBLE CROSSES UNLESS MARKED OTHERWISE.

Hybrid	Acre yield bu.	Stand pct.	Moist. pct.	Lodging pct. root	Lodging pct. stalk	Dropped ears pct.
3-YEAR AVERAGE—1953-1954-1955						
Average all entries....	97.2	88	20.0	5.1	9.5	1.0
Pioneer 371	105	89	19	2	8	1
Pioneer 352	104	89	20	4	6	1
Pioneer 344	103	88	21	11	12	1
Pioneer 347	103	86	21	7	12	1
PAG 244	102	90	20	3	5	1
PAG 234	101	90	21	3	7	2
Corn King 112 (Three-way x)	100	89	22	6	6	1
Pioneer 349	100	89	19	9	9	1
Cornelius 252C	99	86	20	2	6	1
Iowa 4316	99	86	22	9	9	1
PAG 277	99	86	21	5	9	1
Maygold 99A	98	83	21	7	8	2
Trojan F-102	97	88	21	7	9	0
United UH-32a	97	87	20	5	5	1
McCurdy 96M	96	87	21	0	6	0
DeKalb 406	95	87	20	6	9	3
Kingscrost KO5	95	88	19	5	12	2
Funk G-26	94	86	19	4	13	1
Kingscrost KT	94	88	20	4	8	2
Farmers 259	93	89	19	4	16	1
Pioneer 377A	92	91	17	2	11	1
Funk G-6	91	88	18	5	12	0
Maygold 89	90	85	22	7	19	1
Iowa 4417	86	85	18	7	12	1
2-YEAR AVERAGE—1954-1955						
Average all entries....	96.0	90	21.4	7.3	11.5	0.9
Pioneer 371	104	90	21	3	10	1
Iowa 4630	103	88	21	4	15	0
Pioneer 352	102	91	21	6	8	1
PAG 244	102	91	22	4	7	1
Pioneer 344	102	91	23	15	16	1
PAG 234	101	92	22	5	9	1
Pioneer 347	101	87	23	10	15	0
United UH-1113 (Three-way x)	101	89	22	12	4	1
Iowa 4316	99	90	23	13	11	1
Corn King 112 (Three-way x)	99	91	25	9	9	1
Farmers 319	99	94	22	9	16	1
PAG 277	99	90	23	7	13	1
United UH-30a	98	89	20	3	9	0
Cornelius 252C	98	87	22	2	8	1
United UH-32a	98	90	22	8	6	0
United UH-39	97	92	21	8	8	1
Iowa 4558	97	91	20	10	13	0
Pioneer 349	97	91	21	13	11	1
Funk G-30A	97	89	22	10	15	1
Trojan F-102	97	90	23	10	11	0
McCurdy 96M	96	89	22	1	8	1
Iowa 4483	96	93	20	8	8	1
DeKalb 248	96	92	21	12	13	1
Maygold 99A	96	88	23	10	11	2
United UH-214	96	89	19	6	7	1
DeKalb 406	95	90	22	8	12	3
Moews 15	94	89	21	6	8	1
Funk G-26	94	88	20	5	18	1
Kingscrost KT	94	91	21	6	10	2
Turner T216	94	90	23	5	9	0
Kingscrost KO5	93	89	21	7	16	1
PAG 57	93	91	20	7	16	1
Moews 14E	92	90	23	2	13	1
Farmers 259	92	91	20	6	22	1
Pioneer 377A	91	93	18	2	14	1
Maygold 89	91	88	24	10	2	1
Funk G-6	90	91	20	7	16	1
DeKalb 252	88	91	20	12	19	1
Iowa 4417	86	88	20	10	16	1
Berry 401	83	88	19	4	11	1

1955 RESULTS

Eighty-one hybirds were tested at two locations. The average performance of each hybrid is given below. If you state that there is a "real" difference between two randomly selected hybrids when the observed difference in yield exceeds an "LSD" value shown, then the odds of being wrong are 1 to 1, 1 to 4 or 1 to 19 depending on your choice. (See text, page 7.)

Odds	LSD (bushels)
1 to 1	4
1 to 4	8
1 to 19	12

Hybrid	Acre yield bu.	Stand pct.	Moist. pct.	Lodging pct. root	Lodging pct. stalk	Dropped ears pct.
Average all entries....	82.4	89.5	17.4	0.5	20.8	1.3
Pioneer 371	93	88	16	0	16	1
DeKalb 409	93	92	17	0	28	1
PAG X8482	90	88	16	0	21	0
Pioneer 383	90	90	15	1	23	1
PAG 234	89	93	18	0	16	3
Pioneer X2772	88	92	16	0	24	1
PAG 71 (multiple x)	88	90	18	0	16	0
Iowa 4483	87	93	16	0	14	2
United UH-30a	87	88	16	0	17	0
Iowa 4630	87	86	17	0	25	0
Pioneer 352	87	90	18	0	12	1
Pioneer 347	87	86	19	0	24	0
PAG 277	86	88	20	1	22	2
Iowa 4558	86	91	15	1	22	0
PAG 244	86	89	18	0	10	1
Pioneer 349	86	91	17	2	15	1
PAG 58	86	90	16	0	22	2
Maygold 97	86	90	18	0	6	0
Pioneer 377A	86	92	15	0	24	1
Iowa 4316	86	89	19	0	17	2
United UH-32a	86	88	17	0	8	0
DeKalb 459	86	92	18	2	13	2
Funk 42042	86	92	18	0	17	0
United UH-1113 (Three-way x)	85	85	18	0	7	1
DeKalb 402	85	92	18	2	19	1
Maygold 89	85	90	19	0	2	0
Moews 16	85	92	19	1	10	0
Pioneer 354	84	89	18	0	7	5
Renk R500A	84	90	19	0	24	1
Funk G-30A	84	89	18	0	24	1
Moews 5060	84	89	21	1	19	0
Farmers 319	84	92	18	1	26	1
Funk G-22	83	88	16	3	10	1
Iowa 4645	83	92	18	0	14	0
DeKalb 415	83	92	18	0	23	0
Kingscrost KO4	83	91	17	0	22	2
PAG X7220	83	86	18	0	21	0
Farmers 205	83	87	15	0	63	0
Minnesota 608	83	91	15	0	56	2
Funk G-20	83	90	17	0	47	1
Holden H71 (single x)	83	87	16	0	20	0
PAG 57	82	90	17	0	29	2
DeKalb 248	82	94	17	0	22	1
Harper 200H	82	86	17	0	11	0
Maygold 67	82	90	20	0	13	2
Farmers 222	82	87	16	0	22	2
Funk G-23	82	93	16	1	23	2
DeKalb 450	81	93	19	0	7	0
Iowa 4644	81	87	18	0	24	0
Funk G-6	81	90	17	0	26	1
McNeilly 302A	81	86	17	0	10	1
Maygold 99A	80	88	19	2	15	4
Funk G-18	80	90	16	0	32	2
Kingscrost KT	80	93	18	2	17	4
Pioneer 344	80	90	19	0	27	2
Renk R202A	80	89	17	1	29	3
Funk G-26	80	89	17	0	31	1
McCurdy 96M	80	88	18	1	13	0
DeKalb 414	80	93	20	1	16	1
Iowa 4542	79	88	15	0	25	0

TABLE 3—DISTRICT 3 (Continued)

Hybrid	Acre yield bu.	Stand pct.	Moist. pct.	Lodging pct. root	Lodging pct. stalk	Dropped ears pct.
Kingscrost KO5	79	90	17	0	27	3
United UH-214	79	88	17	0	11	1
DeKalb 406	79	87	17	0	22	5
United UH-201	79	90	16	0	30	2
Holden 105-H	78	90	18	0	8	1
Farmers 259	78	90	17	1	38	1
Farmers 309	78	91	19	1	14	0
United UH-39	78	92	17	0	14	2
PAG 56	78	94	17	0	62	0
Cornelius 252C	78	85	17	0	13	2
Farmers 223	78	88	16	0	37	2
Moews 15	78	90	16	1	14	1
Trojan F-104	77	88	17	0	10	1
Corn King 112 (Three-way x)	76	90	21	1	14	1
Turner T216	76	92	19	1	16	0
Maygold 107	76	83	16	0	21	4
Iowa 4417	75	86	15	0	27	1
Trojan F-102	75	87	18	2	19	0
DeKalb 252	75	90	16	2	31	1
Moews 14E	74	88	19	0	22	1
Berry 401	74	89	16	0	18	2

TABLE 4. AVERAGE PERFORMANCE OF HYBRIDS TESTED IN DISTRICT 4. ALL HYBRIDS ARE DOUBLE CROSSES UNLESS MARKED OTHERWISE.

Hybrid	Acre yield bu.	Stand pct.	Moist. pct.	Lodging pct. root	Lodging pct. stalk	Dropped ears pct.
3-YEAR AVERAGE—1953-1954-1955						
Average all entries	79.4	79	16.3	14.8	9.4	3.8
Ohio C92 (Ia.St.H.C.Co.)	88	82	17	19	10	4
Maygold 47	87	81	18	10	15	5
Pioneer 345	85	83	15	13	8	6
McCurdy 115M	85	77	17	7	10	3
PAG 347	83	82	17	11	12	5
Pioneer 301	83	84	17	17	10	4
Farmers 549	82	77	18	6	16	7
Harper 307H	82	76	15	16	7	2
DeKalb 627	81	78	15	25	10	4
Maygold 59A	80	75	17	17	8	4
Pioneer 335	79	82	18	28	10	4
Pioneer 325	77	79	16	7	7	4
Maygold 59	77	70	17	17	8	2
Pioneer 352	77	77	15	12	4	3
Maygold 69	77	78	16	14	9	5
PAG 277	77	76	16	15	10	3
Funk G-16A	76	83	15	16	11	3
Iowa 4298	73	78	16	18	12	3
Iowa 4376 (Johnson)	71	78	16	14	5	2
Maygold 67	69	75	16	14	9	3
2-YEAR AVERAGE—1954-1955						
Average all entries	74.9	80	18.3	0.7	9.7	2.4
Cornhusker 3X1 (Three-way x)	89	80	20	4	12	1
Cornhusker 3X2 (Three-way x)	88	82	20	0	15	3
Funk G-95A	87	84	20	0	8	2
Holden H62 (Single x)	86	86	20	1	9	3
Funk G-95	86	80	19	1	10	4
Iowa 4517	83	80	20	0	6	3
Maygold 47	83	81	20	0	14	4
Ohio C92 (Ia.St.H.C.Co.)	82	84	19	5	9	3
Cornhusker 75	81	81	18	1	13	4
Pioneer 345	81	85	17	1	8	3
McCurdy 115M	79	79	19	0	10	3
Iowa 4622	79	84	18	0	12	3
Harper 307H	77	77	16	0	6	1
PAG 347	77	82	19	2	15	2
Pioneer 301C	77	80	19	0	12	3
DeKalb 628A	77	81	20	1	17	2
Farmers 549	77	80	20	0	17	6
Pioneer 301	77	88	19	3	10	4
Funk G-91	77	82	20	0	9	5
DeKalb 800A	74	83	19	0	11	2
Cornhusker 84	74	78	17	0	8	2
Maygold 59A	73	77	19	1	7	2
Farmers 537	72	74	20	0	7	3
Gruhn 116	72	78	19	2	8	1
DeKalb 627	72	78	17	0	12	3
Pioneer 325	71	80	17	0	8	2
United UH-41a	71	79	19	0	6	4
Maygold 59	71	72	19	2	8	1
Funk G-16A	71	86	16	0	13	2
Pioneer 335	71	85	19	2	11	3
Pioneer 352	70	79	16	0	3	2
United UH-47a	69	77	17	1	11	4
Pioneer 347	69	82	16	0	8	1
Maygold 69	69	78	18	0	8	2
Iowa 4298	69	80	18	0	14	2
PAG 277	69	76	18	1	10	1
Gruhn 114	67	81	18	1	6	2
United UH-428	65	78	16	0	8	4
Iowa 4376 (Johnson)	65	77	17	0	4	1
Maygold 67	64	76	17	1	10	2
United UH-461a	63	80	19	0	11	1

1955 RESULTS

Ninety hybrids were tested at two locations. The average performance of each hybrid is given below. If you state that there is a "real" difference between two randomly selected hybrids when the observed difference in yield exceeds an "LSD" value shown, then the odds of being wrong are 1 to 1, 1 to 4 or 1 to 19 depending on your choice. (See text, page 7.)

Odds	LSD (bushels)
1 to 1	6
1 to 4	11
1 to 19	16

Hybrid	Acre yield bu.	Stand pct.	Moist. pct.	Lodging pct. root	Lodging pct. stalk	Dropped ears pct.
Average all entries	74.1	80.1	17.0	0.6	10.8	1.8
Holden H62 (Single x)	93	93	19	1	15	1
Pioneer 345	89	86	15	1	6	2
Pioneer 329	86	88	15	0	9	5
Jacobsen J200	83	87	16	0	8	2
Funk G-33A	83	86	14	0	11	1
Stewart S-60	82	80	17	0	7	5
Iowa 4298	81	82	16	0	15	2
McNeilly 502B	81	82	20	4	20	7
Green Acres 395	80	85	19	0	13	0
King K110	80	84	17	0	18	3
PAG 351	79	83	17	1	18	3
PAG 381	79	84	16	2	12	0
Funk G-95	79	80	18	1	10	3
Funk G-91	79	78	19	1	10	3
Pioneer 301C	79	76	18	0	14	1
Cornhusker 3X1 (Three-way x)	79	80	19	0	21	2
DeKalb 630	78	77	17	0	15	4
Pioneer 347	78	85	14	0	10	1
Green Acres 496	78	81	17	0	15	8
United UH-55	78	82	17	0	6	2

TABLE 4—DISTRICT 4 (Continued)

Hybrid	Acre yield bu.	Stand pct.	Moist. pct.	Lodging pct. root	Lodging pct. stalk	Dropped ears pct.
Cornhusker 3X2 (Three-way x)	78	83	18	0	24	4
Iowa 4738	78	77	18	0	12	2
Maygold 47	78	84	19	1	15	3
Pioneer 325	78	78	17	0	7	2
United UH-428	78	82	15	0	12	3
Pioneer 301	78	87	18	5	13	1
PAG 170	78	83	17	1	8	6
Funk G-95A	78	80	20	0	7	1
Cornhusker 75	78	81	17	3	12	1
Iowa 4517	77	74	19	1	5	2
Corn King 123	77	79	17	0	3	2
Iowa 4297	77	78	15	0	8	1
DeKalb 628A	77	89	19	1	14	2
Corn King 114	77	82	16	1	13	1
Farmers 427A	77	79	15	0	16	3
Iowa 4622	75	81	17	0	10	4
PAG 347	75	80	18	3	19	1
PAG X7220	75	78	14	0	7	1
DeKalb 847	74	83	18	0	13	2
Iowa 4439	74	81	17	0	8	1
Moews 14DR	74	85	14	0	13	2
Harper 307H	74	75	15	0	7	1
Iowa 4376 (Johnson)	73	76	17	0	5	1
PAG 244	73	81	15	0	9	1
DeKalb 820	73	83	19	0	11	1
Funk G75-A	73	78	16	0	6	1
Iowa 4576	73	81	17	0	3	2
United UH-461A	73	82	17	0	13	1
Iowa 4249	73	79	16	1	15	0
Farmers 537	73	72	20	0	6	2
Ohio C92 (Ia.St.H.C.Co.)	73	83	18	4	11	3
Gruhn 114	73	84	17	1	5	1
McCurdy 115M	73	81	18	1	16	2
Pioneer X8368	72	78	17	2	14	4
Maygold 69	72	81	18	0	10	0
DeKalb 800A	72	83	18	1	14	2
Funk 42006	72	82	14	0	9	0
United UH-41A	72	76	19	0	6	3
AES 801	72	84	19	2	5	1
Funk G-16A	71	85	15	0	15	2
Carlson C21	71	79	18	1	3	1
PAG 392	71	85	18	0	18	0
Moews 535	71	80	18	0	8	2
Farmers 322	71	83	17	0	10	1
Iowa 4450	71	75	15	0	13	1
Farmers 309	71	80	15	0	16	0
Gruhn 116	71	75	18	4	8	1
DeKalb 450	70	81	15	1	3	2
Farmers 425	70	75	18	0	7	2
PAG 303	70	74	17	0	14	1
Pioneer 352	70	77	15	0	4	1
DeKalb 459	70	78	16	0	11	3
Iowa 4617	70	76	17	1	9	2
Funk G-22	70	81	14	1	7	0
United UH-52b	70	73	20	0	5	4
PAG 277	69	76	17	2	18	1
Pioneer 335	69	85	19	1	14	2
Cornhusker 84	69	76	16	0	8	2
United UH-47A	69	79	15	1	16	3
Maygold 59	69	73	17	5	11	0
Jacobsen J20A	69	75	16	0	9	1
DeKalb 627	68	79	15	0	14	1
Farmers 549	67	75	19	0	26	3
DeKalb 603	66	70	17	0	5	2
Maygold 67	66	77	17	2	12	2
Moews 15	66	85	13	1	2	1
Berry 615B	65	79	17	0	6	1
Farmers 588	64	72	19	1	8	4
Maygold 59A	62	77	19	1	7	2
United UH-39	62	81	17	1	9	2

TABLE 5. AVERAGE PERFORMANCE OF HYBRIDS TESTED IN DISTRICT 5. ALL HYBRIDS ARE DOUBLE CROSSES UNLESS MARKED OTHERWISE.

Hybrid	Acre yield bu.	Stand pct.	Moist. pct.	Lodging pct. root	Lodging pct. stalk	Dropped ears pct.
3-YEAR AVERAGE—1953-1954-1955						
Average all entries	97.7	86	17.0	11.6	8.1	2.7
Holden H62 (Single x)	110	87	20	15	5	2
Pioneer 354	107	90	16	6	6	5
Iowa 4470	104	85	17	14	12	4
Pioneer 352	103	86	15	8	7	2
Iowa 4376 (Johnson)	102	88	18	14	6	2
Jacobsen J200	101	87	18	5	6	2
Pioneer 349	101	89	15	11	11	2
PAG 303	100	86	18	10	7	3
Pioneer 344	100	89	18	19	10	3
Pioneer 347	100	89	16	12	11	2
PAG 277	100	85	17	11	9	3
Iowa 4376 (Ia.S.H.C.Co.)	99	88	18	17	5	2
Iowa 4575	98	86	16	6	5	3
Iowa 4298 (I.S.H.C.Co.)	98	89	18	11	10	3
McCurdy 115M	98	86	18	1	8	3
McCurdy 100-1	98	88	19	10	7	4
Iowa 4316	97	85	16	11	11	3
PAG 347	95	84	17	8	11	4
Iowa 4249	95	88	17	12	11	2
Iowa 4297	94	83	16	13	6	2
Maygold 69	94	87	17	15	8	3
PAG 299	94	84	16	14	9	3
Funk G-16A	94	85	16	12	7	2
Farmers 427A	93	86	16	17	10	2
Maygold 67	93	82	17	10	8	3
Kingscrost K3A	93	88	18	14	10	3
Maygold 99A	93	84	16	15	10	3
Iowa 4397	91	87	17	20	4	3
Farmers 322	90	85	17	9	7	3
2-YEAR AVERAGE—1954-1955						
Average all entries	89.4	88	18.8	14.7	9.0	1.6
Holden H62 (single x)	102	89	23	20	5	1
Pioneer 354	98	91	18	8	5	4
Pioneer 371	97	90	16	4	7	3
Iowa 4470	96	87	19	17	14	2
Pioneer 352	96	88	17	11	8	1
Cornhusker 75	96	87	19	5	13	4
United UH-41a	95	89	21	2	8	2
Iowa 4575	94	89	18	7	5	3
Jacobsen J200	94	87	19	5	6	1
PAG 303	94	87	20	14	6	3
Iowa 4376 (Johnson)	94	88	20	19	7	1
Harper 317H	93	89	18	9	5	0
PAG 277	93	86	18	14	9	2
United UH-32a	93	89	17	18	8	2
Pioneer 349	93	90	17	14	11	1
Pioneer 344	92	90	20	25	12	1
Pioneer 347	92	91	18	16	13	2
DeKalb 450	91	88	18	13	6	2
United UH-47a	91	86	19	14	12	1
Iowa 4316	91	87	18	12	12	2
Iowa 4298 (Ia.S.H.C.Co.)	91	92	20	14	12	1
Iowa 4376 (Ia.S.H.C.Co.)	90	89	19	24	5	1
DeKalb 627	89	88	19	25	11	1
McCurdy 115M	89	85	20	1	9	2
McCurdy 100-1	89	88	21	14	7	2
PAG 234	88	88	18	4	11	4
PAG 347	88	86	19	12	11	3
Farmers 319	88	90	18	21	16	1

TABLE 5—DISTRICT 5 (Continued)

Hybrid	Acre yield bu.	Stand pct.	Moist. pct.	Lodging pct. root	Lodging pct. stalk	Dropped ears pct.
Cornhusker 84	88	86	18	10	10	2
Iowa 4249	88	89	19	15	12	1
Iowa 4297	88	85	18	17	7	2
PAG 244	88	89	18	13	6	1
DeKalb 459	87	87	19	15	13	1
Maygold 69	87	87	19	21	8	2
PAG 299	87	85	18	17	10	1
Funk G-16A	87	86	18	14	8	1
Iowa 4397	86	91	19	25	5	2
Kingscrost KT6	86	87	19	23	8	1
United UH-39	85	88	18	22	7	1
Kingscrost K3A	85	91	19	18	10	2
Farmers 427A	85	86	18	19	11	1
Maygold 67	84	83	19	13	10	1
DeKalb 628A	84	89	22	8	15	3
Maygold 99A	83	85	18	19	11	2
Berry 650	82	86	19	21	6	2
Moews 15	82	84	17	19	8	1
Turner T36	82	89	21	18	10	1
Farmers 322	82	85	19	11	9	2
Maygold 89	80	80	18	20	4	2

1955 RESULTS

One-hundred hybrids were tested at two locations. The average performance of each hybrid is given below. If you state that there is a "real" difference between two randomly selected hybrids when the observed difference in yield exceeds an "LSD" value shown, then the odds of being wrong are 1 to 1, 1 to 4 or 1 to 19 depending on your choice. **(See text, page 7.)**

Odds	LSD (bushels)
1 to 1	5
1 to 4	10
1 to 19	16

Hybrid	Acre yield bu.	Stand pct.	Moist. pct.	Lodging pct. root	Lodging pct. stalk	Dropped ears pct.
Average all entries	70.6	87.6	17.9	25.8	8.0	1.4
Pioneer 345	85	91	16	18	8	2
Pioneer 352	85	89	16	21	5	1
Iowa 4575	82	95	16	14	4	3
Pioneer 329	82	93	17	11	5	4
Cornhusker 75	82	89	18	9	8	2
Iowa 4574	82	83	17	15	6	2
PAG 303	81	88	19	25	5	1
Iowa 4470	81	85	17	27	14	0
Holden H62 (Single x)	80	86	22	41	5	0
Pioneer 371	80	88	14	7	5	4
United UH-32a	80	90	16	33	9	1
Pioneer 349	80	90	16	25	11	2
Pioneer 354	79	91	17	15	5	5
Harper 317H	79	88	16	15	4	0
Tomahawk 43	78	93	17	27	15	0
Harper 303H	78	87	17	6	7	1
Pioneer 350B	77	90	17	12	17	5
PAG 277	77	86	17	24	7	1
Iowa 4570 (Ia.S.H.C.Co.)	76	85	16	16	8	1
Funk G-75A	76	87	18	23	5	0
Iowa 4316	75	85	16	19	8	1
PAG 347	75	86	18	21	15	1
Jacobsen J200	75	87	19	11	5	0
United UH-X400	74	86	21	38	6	0
United UH-47a	74	88	17	27	11	2
Pioneer 344	74	89	19	42	12	0
PAG 234	74	88	18	5	9	5
Maygold 97	74	86	17	28	4	1
Farmers 319	74	88	17	33	12	1
Pioneer 347	73	91	17	29	15	2
Funk G-23	73	86	17	33	12	0
DeKalb 603	73	84	17	27	5	2
PAG 381	73	86	19	38	11	1
Iowa 4695	73	89	20	38	8	0
Moews 14DR	73	90	17	17	12	1
N.I.A.E.A. 333	73	85	17	24	5	0
United UH-41a	72	85	21	3	10	1
Iowa 4297	72	85	17	28	8	1
Cornhusker 3XI (Three-way x)	72	89	23	45	9	2
Corn King 121	72	89	19	9	6	2
Carlson C16	72	90	17	28	11	0
McCurdy 100-1	72	86	20	27	6	2
Iowa 4418	72	90	17	27	6	1
PAG 244	71	84	17	21	4	1
PAG X7220	71	89	17	22	7	2
Iowa 306	71	85	17	6	8	6
DeKalb 450	71	88	16	26	4	1
Funk G-22	70	88	16	46	1	1
McCurdy 115M	70	88	19	3	7	1
McNeilly 403 (Three-way x)	70	88	17	29	12	1
Funk G-30A	70	90	15	30	12	2
DeKalb 630	70	88	21	30	14	1
Funk 42006	70	90	17	38	7	1
Iowa 4376 (Johnson)	70	84	19	35	5	1
Iowa 4720	69	90	20	23	10	0
Gruhn 112	69	90	21	38	8	2
Cornhusker 3X2 (Three-way x)	69	89	22	42	8	1
Iowa 4298 (Ia.S.H.C.Co.)	69	92	19	23	12	2
Iowa 4483	69	91	16	11	10	0
United UH-428	68	86	16	25	6	3
Cornhusker 84	68	83	17	17	7	2
DeKalb 459	68	90	17	27	11	0
Farmers 425	68	91	18	21	6	0
DeKalb 627	68	88	18	42	8	1
Iowa 4376 (Ia.S.H.C.Co.)	68	88	18	44	5	1
PAG 351	68	83	19	17	12	2
Maygold 69	68	88	18	35	9	2
Funk G-16A	68	86	17	24	6	0
Kingscrost KT6	68	86	18	40	6	0
Funk G-33A	67	90	17	44	4	0
Kingscrost K3A	67	92	17	33	10	2
DeKalb 628A	67	88	21	16	15	3
DeKalb 847	67	90	20	17	10	1
Farmers 322	66	85	17	18	8	2
Gruhn 108A	66	90	18	23	8	0
Turner T48	66	86	17	7	12	2
N.I.A.E.A. 444	66	86	19	16	5	0
United UH-55	66	85	23	19	5	2
Iowa 4722	66	90	20	36	3	0
Iowa 4652	66	89	17	25	9	1
Maygold 89	65	77	17	33	4	1
Iowa 4249	65	89	18	26	13	0
Maygold 67	65	81	17	23	9	1
Jacobsen J20A	64	83	17	32	5	2
PAG 299	64	83	17	32	9	2
Farmers 309	64	88	18	30	11	2
Iowa 4397	64	90	17	37	5	2
United UH-39	63	86	17	40	6	1
Iowa 4412	63	89	19	39	9	0
DeKalb 820	63	88	21	18	8	0
Moews 15	63	85	17	32	5	1
Farmers 427A	62	86	17	35	7	1
Iowa 4576	62	83	18	28	7	1
DeKalb 837	62	88	24	28	4	1
Farmers 327	62	88	18	36	2	0
Maygold 99A	62	83	16	36	12	2
Cornelius 405	61	91	18	29	12	1
Iowa 4450	60	90	17	37	8	1
Berrys 650	58	88	18	33	4	2
Turner T36	55	88	21	34	8	0

TABLE 6. AVERAGE PERFORMANCE OF HYBRIDS TESTED IN DISTRICT 6. ALL HYBRIDS ARE DOUBLE CROSSES UNLESS MARKED OTHERWISE.

Hybrid	Acre yield bu.	Stand pct.	Moist. pct.	Lodging pct. root	Lodging pct. stalk	Dropped ears pct.
3-YEAR AVERAGE—1953-1954-1955						
Average all entries	87.9	89	18.4	19.7	11.8	1.8
Pioneer 354	96	91	18	16	8	4
Iowa 4470	91	87	19	20	16	3
PAG 277	94	89	18	26	12	2
Pioneer 352	93	89	17	13	8	2
McCurdy 115M	93	85	19	8	9	1
Pioneer 347	92	89	18	17	13	1
Pioneer 349	92	90	17	15	14	2
Iowa 4376 (Ia.S.H.C.Co.)	89	89	19	21	8	1
Pioneer 325	89	88	20	23	8	2
Iowa 4316	88	90	19	22	13	3
Maygold 67	88	92	19	21	16	1
Iowa 4376 (Johnson)	87	89	19	16	8	2
PAG 299	87	89	18	26	15	2
Iowa 4298 (Ia.S.H.C.Co.)	86	89	19	20	14	2
Kingscrost K3A	85	89	20	24	11	2
Maygold 99A	85	87	18	17	14	3
Iowa 4397	85	90	18	17	6	1
Funk G-16A	84	87	19	18	15	1
Farmers 427A	84	88	18	23	15	1
DeKalb 406	83	88	18	22	9	2
Maygold 69	83	85	18	18	14	2
Pioneer 344	82	90	19	34	15	1
2-YEAR AVERAGE—1954-1955						
Average all entries	92.5	88	19.8	16.4	14.7	1.5
United UH-41a	102	90	21	7	11	3
Pioneer 354	99	90	19	12	9	4
PAG 244	99	92	19	15	16	1
PAG 277	99	89	20	17	17	2
Pioneer 371	97	89	18	8	14	1
PAG 234	97	87	19	13	20	1
Pioneer 352	97	87	19	13	10	1
Turner T36	96	93	21	14	16	1
McCurdy 115M	95	84	21	4	12	1
Pioneer 347	95	89	20	15	17	1
Iowa 4376 (Ia.S.H.C.Co.)	95	90	21	19	10	1
United UH-461a	94	85	22	12	12	3
Kingscrost KT6	94	89	21	25	12	1
Iowa 4376 (Johnson)	93	87	20	14	10	2
DeKalb 627	93	87	20	23	14	2
Iowa 4470	93	88	20	16	18	2
PAG 299	92	87	20	21	18	1
DeKalb 406	92	87	19	18	11	2
Iowa 4316	92	89	20	16	16	2
DeKalb 450	92	86	19	18	11	3
Maygold 67	92	93	20	16	20	1
Moews 15	92	88	18	20	14	1
Pioneer 349	91	90	18	16	18	1
Pioneer 325	91	88	21	19	10	2
Iowa 4298 (Ia.S.H.C.Co.)	91	89	20	19	18	2
DeKalb 459	90	86	19	17	18	1
Kingscrost K3A	90	88	21	22	15	1
Iowa 4397	90	92	19	16	7	2
Farmers 427A	88	86	20	20	19	1
DeKalb 455	88	87	19	22	19	1
Farmers 319	88	87	20	17	22	1
Funk G-16A	88	85	21	16	19	1
Pioneer 344	87	89	20	25	18	1
Maygold 89	87	84	19	16	6	2
Maygold 99A	87	88	20	14	15	2
Maygold 69	86	83	20	16	18	3

1955 RESULTS

Eighty-one hybrids were tested at two locations. The average performance of each hybrid is given below. If you state that there is a "real" difference between two randomly selected hybrids when the observed difference in yield exceeds an "LSD" value shown, then the odds of being wrong are 1 to 1, 1 to 4 or 1 to 19 depending on your choice. (See text, page 7.)

Odds	LSD (bushels)
1 to 1	5
1 to 4	9
1 to 19	14

Hybrid	Acre yield bu.	Stand pct.	Moist. pct.	Lodging pct. root	Lodging pct. stalk	Dropped ears pct.
Average all entries	79.1	89.5	16.7	26.5	25.4	1.4
United UH-41a	92	88	18	11	19	5
PAG 297	91	93	16	19	17	0
United UH-X400	90	89	17	32	21	0
Pioneer 371	89	90	15	15	26	1
Pioneer 354	88	93	16	21	15	6
PAG X7220	87	93	16	21	24	4
Cornelius C49	86	92	16	18	25	1
PAG 244	86	93	17	27	29	1
Iowa 4376 (Ia.S.H.C.Co.)	85	90	18	37	18	0
Maygold 67	85	96	17	29	35	0
United UH-461a	84	89	17	25	18	2
PAG 277	84	89	17	34	29	2
Iowa 4645	84	92	16	20	24	1
Pioneer 347	84	88	16	31	27	2
DeKalb 630	84	93	18	36	11	3
Turner T36	83	92	18	26	28	0
Harper 303H	83	90	16	17	12	0
PAG 234	83	83	17	25	33	2
Pioneer X2772	83	94	15	14	38	3
Iowa 4558	83	92	15	28	29	3
Iowa 4376 (Johnson)	82	85	17	28	20	2
Funk G-75A	82	90	16	21	14	1
Tomahawk 43	82	90	17	18	37	1
Iowa 4316	82	95	18	26	27	2
Moews 15	82	90	16	38	24	0
Pioneer 352	82	85	17	24	16	2
DeKalb 627	81	93	17	40	26	1
McCurdy 115M	81	84	17	8	21	1
Maygold 89	80	89	16	29	11	2
McCurdy 111M	80	93	16	34	23	0
PAG 299	80	91	18	32	33	1
Iowa 4630	80	89	17	27	30	1
Pioneer 345	80	89	16	30	18	4
Holden 215-H (Three-way x)	80	89	18	26	23	0
DeKalb 406	80	90	16	31	19	2
PAG 71 (Multiple x)	80	90	16	29	34	3
DeKalb 459	80	88	17	27	32	0
Farmers 319	79	89	17	34	38	1
Farmers 285	79	84	15	10	17	2
Iowa 4470	79	88	17	32	32	2
Pioneer 325	79	91	17	34	18	2
DeKalb 450	79	87	16	30	19	3
United UH-428	79	91	16	30	26	0
Iowa 4570 (Ia.S.H.C.Co.)	79	87	16	34	16	1
Iowa 4646	79	86	16	17	17	0
DeKalb 603	79	86	17	36	11	2
Kingscrost KT6	78	88	18	34	22	1
Iowa 4570 (Cornelius)	78	92	16	19	20	1
Moews 5060	78	87	18	10	21	1
Maygold 97	78	88	17	18	21	1
Farmers 327	78	92	16	39	18	1
Funk G-23	78	93	17	31	34	2
Funk 42042	78	92	17	21	21	0
Iowa 4397	78	93	16	29	13	2
Pioneer 349	78	90	16	28	30	1
Farmers 259	78	93	16	16	52	0
Iowa 4483	78	91	16	24	38	1
Maygold 99A	77	92	17	26	28	2
Funk G-16A	77	88	17	27	31	2
Kingscrost K3A	77	93	18	37	27	1
Farmers 427A	77	89	17	27	32	0
DeKalb 409	76	90	16	25	34	0
Funk G-22	76	89	16	39	23	0
Renk R202A	76	91	16	21	30	2
Funk G-30A	75	86	16	25	30	0
Funk G-33A	75	88	18	45	9	1
Iowa 4298 (Ia.S.H.C.Co.)	75	91	17	35	32	2

TABLE 6—DISTRICT 6 (Continued)

Hybrid	Acre yield bu.	Stand pct.	Moist. pct.	Lodging pct. root	Lodging pct. stalk	Dropped ears pct.
Pioneer 344	74	92	17	43	29	1
Moews 5061	74	85	17	11	19	3
Funk G-26	74	90	16	20	33	1
Maygold 69	74	84	17	31	25	1
Renk R500A	73	94	17	29	39	1
Iowa 4644	73	85	16	14	41	3
Berry 525	73	91	16	28	21	0
DeKalb 402	72	85	17	36	17	1
DeKalb 455	71	88	17	37	33	1
Farmers 309	69	91	17	30	32	1
PAG 57	68	80	17	27	26	0
Iowa 4417	67	85	16	30	33	1
Carlson C16	64	90	17	18	32	0
Holden H72	61	88	17	4	32	1

TABLE 7. AVERAGE PERFORMANCE OF HYBRIDS TESTED IN DISTRICT 7. ALL HYBRIDS ARE DOUBLE CROSSES UNLESS MARKED OTHERWISE.

3-YEAR AVERAGE—1953-1954-1955

Hybrid	Acre yield bu.	Stand pct.	Moist. pct.	Lodging pct. root	Lodging pct. stalk	Dropped ears pct.
Average all entries	93.9	84	19.4	2.3	10.6	3.2
Pioneer 301	105	88	19	5	12	3
Ohio C92 (Ia.S.H.C.Co.)	102	86	21	0	10	3
Pioneer 335	101	86	19	3	12	3
Pioneer 345	101	87	17	2	7	4
Pioneer 354	98	85	17	1	7	3
AES 801 (Coppock)	98	86	22	2	6	3
Pioneer 301B	97	87	20	0	9	5
McCurdy 115M	95	84	20	1	9	3
Maygold 47	95	82	22	0	12	7
Ohio C92 (Isenhart)	95	83	21	1	11	3
Harpers 307H	95	86	18	4	9	2
DeKalb 627	94	83	19	2	15	2
PAG 383	94	88	21	8	12	3
Funk G-60A	94	84	20	2	9	7
Maygold 59	92	78	20	2	10	2
PAG 347	92	85	19	1	11	3
McCurdy 987M	91	85	21	1	11	2
PAG 277	91	87	18	4	9	4
Maygold 59A	91	80	21	5	12	2
Pioneer 352	91	84	17	1	6	2
Iowa 4298	90	85	18	1	15	2
Maygold 69	89	83	18	1	8	2
Maygold 67	86	81	19	4	13	4
Farmers 549	85	80	21	2	14	7
Funk G-16A	85	84	18	5	14	1

2-YEAR AVERAGE—1954-1955

Hybrid	Acre yield bu.	Stand pct.	Moist. pct.	Lodging pct. root	Lodging pct. stalk	Dropped ears pct.
Average all entries	91.1	85	21.6	1.9	14.3	3.2
Pioneer 301	106	89	21	2	17	3
Ohio C92 Ia.S.H.C.Co.)	102	87	22	1	12	4
Cornhusker 3X1 (Three-way x)	102	85	22	11	20	2
Iowa 4622	100	87	22	0	13	4
Pioneer 335	99	87	21	4	16	3
Holden H322	99	85	23	5	9	4
Pioneer 345	98	88	19	1	10	5
Pioneer 301C	98	89	21	1	10	3
Funk G-95A	97	88	22	1	13	3
Farmers 537	97	85	24	0	13	4
AES 801 (Coppock)	96	88	24	0	8	3
Funk G-60A	94	86	22	2	12	5
Pioneer 354	94	85	18	1	10	2
Pioneer 301B	94	91	22	0	12	4
Funk G-91	94	85	24	0	9	5
Iowa 4517	94	87	24	4	8	2
DeKalb 627	93	86	20	3	20	2
McCurdy 115M	93	84	22	0	10	4
Funk G-95	93	85	22	5	19	3
Gruhn 114	92	83	22	1	8	4
Maygold 47	92	84	24	0	15	6
Harpers 307H	91	87	19	0	12	3
Ohio C92 (Isenhart)	91	83	23	0	14	2
DeKalb 801	91	85	24	6	15	4
Cornhusker 75	90	81	20	1	20	3
PAG 277	89	88	20	0	11	3
PAG 383	89	86	23	6	15	3
McCurdy 987M	89	86	23	2	13	2
PAG 347	89	86	21	2	14	2
Maygold 59A	88	80	22	1	17	3
Pioneer 352	88	85	19	2	7	2
Maygold 59	87	77	21	0	11	1
Moews 550	87	84	22	1	19	3
Moews 520	87	83	22	0	18	3
Gruhn 116	86	86	23	3	13	4
Cornhusker 3X2 (Three-way x)	86	82	23	3	18	3
Cornhusker 84	86	84	20	1	22	1
Iowa 4298	86	85	19	2	22	2
Maygold 69	84	84	19	0	11	3
Berry 625	83	81	23	1	17	5
DeKalb 628A	83	88	24	7	18	4
Funk G-16A	82	85	19	0	20	1
Maygold 67	81	82	22	6	19	4
Farmers 549	79	81	23	0	17	6
United UH-47a	78	81	20	4	19	3

1955 RESULTS

Ninety hybrids were tested at two locations. The average performance of each hybrid is given below. If you state that there is a "real" difference between two randomly selected hybrids when the observed difference in yield exceeds an "LSD" value shown, then the odds of being wrong are 1 to 1, 1 to 4 or 1 to 19 depending on your choice. **(See text, page 7.)**

Odds	LSD (bushels)
1 to 1	5
1 to 4	10
1 to 19	15

Hybrid	Acre yield bu.	Stand pct.	Moist. pct.	Lodging pct. root	Lodging pct. stalk	Dropped ears pct.
Average all entries	82.0	86.8	19.9	0.3	20.9	2.6
Pioneer 301	98	91	19	0	28	2
Holden H322	98	86	21	0	13	3
Iowa 4412	96	86	18	0	24	1
Cornhusker 3X1 (Three-way x)	94	85	22	0	32	1
Funk G-95	94	88	19	1	24	4
Turner T49	94	88	24	2	30	3
AES 801 (Coppock)	93	92	23	0	10	2
Pioneer 335	93	86	19	0	24	2
Holden H-54 (Single x)	92	88	21	0	7	4
DeKalb 630	92	88	20	0	30	1
Iowa 4517	91	89	22	0	11	2
Pioneer 301C	91	91	20	0	17	2
Farmers 588	91	88	21	2	19	4
PAG 381	90	86	20	0	17	1
Cornhusker 3X2 (Three-way x)	90	87	21	0	24	3
McCurdy 115M	88	88	20	0	13	2
Iowa 4385	88	86	19	2	25	2
Pioneer 345	88	87	16	0	14	3
Farmers 425	88	85	18	0	25	0
Funk G-91	87	88	24	0	13	6
Pioneer 329	87	90	19	0	16	3
Pioneer 301B	87	91	20	0	17	5

TABLE 7—DISTRICT 7 (Continued)

Hybrid	Acre yield bu.	Stand pct.	Moist. pct.	Lodging pct. root	Lodging pct. stalk	Dropped ears pct.
DeKalb 627	87	90	18	0	30	1
PAG 383	87	91	21	0	22	1
Pioneer 354	87	87	17	0	13	1
Carlson C21	86	86	20	2	19	6
Iowa 4576	86	90	19	0	10	2
Iowa 4376	85	88	18	0	17	1
DeKalb 801	85	88	23	0	24	4
Ohio C92 (Ia.S.H.C.Co.)	85	88	22	0	20	3
Maygold 59	85	85	21	0	17	0
Funk G-60A	85	88	20	0	19	2
Farmers 537	85	86	24	0	22	3
Iowa 4622	84	90	21	0	21	5
PAG 277	84	87	18	0	13	2
Iowa 4652	84	84	17	0	13	1
Pioneer 352	84	86	17	0	9	0
Turner T48	83	85	18	0	36	2
AES 801 (Isenhart)	83	91	23	0	10	6
Gruhn 116	83	89	21	1	19	3
PAG 170	83	89	19	0	29	3
Funk G-95A	82	86	21	0	17	0
Iowa 4570	82	83	17	0	9	1
Pioneer X8368	82	86	19	0	25	4
Corn King 120	81	90	19	0	22	1
Cornhusker 75	81	84	18	0	31	0
Cornhusker 84	81	84	18	0	36	1
Funk G-75A	81	88	18	0	19	0
Moews 523	81	88	23	0	26	3
PAG 234	81	88	17	0	25	1
PAG 244	81	90	17	0	12	0
DeKalb 837	81	88	22	0	16	5
Middlekoop M-1	81	88	20	0	13	1
Iowa 4439	80	89	20	3	15	1
DeKalb 820	80	88	23	0	17	5
Harper 307H	80	89	18	0	16	3
Iowa 4617	80	95	21	0	10	7
PAG 347	80	90	19	0	19	1
Maygold 59A	80	83	22	0	24	6
Maygold 47	80	83	23	1	21	5
Moews 520	78	83	21	0	27	3
DeKalb 847	78	84	20	1	29	3
Iowa 4738	78	80	19	0	17	2
Iowa 4575	78	85	17	0	15	0
DeKalb 628A	78	89	21	0	28	4
Ohio C92 (Isenhart)	77	83	23	0	16	2
Moews 550	77	85	21	0	31	3
United UH-52b	77	79	23	0	21	2
Gruhn 114	77	84	21	0	14	1
Maygold 67	77	88	17	0	33	2
Iowa 4574	77	81	16	0	23	2
PAG 401	77	92	20	0	15	3
Iowa 4249	77	85	16	0	26	1
McCurdy 987M	77	85	22	0	17	1
Farmers 322	75	86	18	0	31	2
Farmers 549	75	85	21	0	27	7
Iowa 4297	75	84	17	1	16	1
PAG 351	75	89	19	0	19	2
Berry 625	74	79	21	0	27	3
DeKalb 817A	74	90	20	0	33	5
Funk G-16A	74	89	16	0	31	1
Funk G-76	73	88	20	0	20	1
Farmers 427A	73	86	17	0	41	2
Maygold 69	72	83	18	0	16	2
United UH-55	72	89	23	0	14	5
United UH-47a	69	82	17	1	32	2
Iowa 4298	69	85	17	0	36	1
United UH-5*	66	88	27	3	29	4
McNeilly 500A	65	82	20	0	20	5
DeKalb 852	64	82	24	2	11	4

* White hybrid.

TABLE 8. AVERAGE PERFORMANCE OF HYBRIDS TESTED IN DISTRICT 8. ALL HYBRIDS ARE DOUBLE CROSSES UNLESS MARKED OTHERWISE.

1955 RESULTS

Eighty-one hybrids were tested at two locations. The average performance of each hybrid is given below. If you state that there is a "real" difference between two randomly selected hybrids when the observed difference in yield exceeds an "LSD" value shown, then the odds of being wrong are 1 to 1, 1 to 4 or 1 to 19 depending on your choice. **(See text, page 7.)**

Odds	LSD (bushels)
1 to 1	4
1 to 4	8
1 to 19	13

Hybrid	Acre yield bu.	Stand pct.	Moist. pct.	Lodging pct. root	Lodging pct. stalk	Dropped ears pct.
Average all entries	108.1	89.7	20.4	0.2	24.4	3.0
McAllister X1001	124	86	22	0	17	2
Iowa 4517	123	87	23	0	17	3
Funk G-95	122	87	22	0	28	1
Funk G-95A	121	92	21	0	28	3
United UH-49b	120	91	20	0	34	1
DeKalb 630	120	90	21	0	22	6
Funk G-60A	119	91	21	0	16	5
McAllister 13A	118	89	22	0	16	3
Pioneer 301	118	96	21	0	24	6
Iowa 4617	117	94	21	0	16	6
McCurdy 100-2	117	91	21	0	17	4
AES 801 (Isenhart)	116	92	25	0	21	4
Pioneer 301B	116	93	20	0	20	3
Pioneer 345	116	93	19	0	20	3
Pioneer 329	116	94	19	0	15	3
Middlekoop M-16	115	89	21	0	34	4
Holden H54 (Single x)	114	91	21	0	13	11
Iowa 4622	114	95	20	0	30	2
DeKalb 801	114	90	23	0	25	4
Pioneer 335	114	94	21	0	30	1
DeKalb 627	112	88	18	0	27	5
Maygold 59A	112	89	21	0	30	2
PAG 401	112	88	22	0	26	4
DeKalb 837	111	86	23	0	23	3
Maygold 47	111	88	22	0	33	4
Farmers 537	111	94	24	0	22	4
McCurdy 987M	111	91	21	0	34	3
Turner T49	110	93	25	0	28	3
Pioneer 354	109	88	17	0	13	5
Farmers 588	109	91	23	0	23	3
Cornelius C77	109	89	20	0	36	4
PAG 381	109	88	20	0	21	3
Holden 22-B	109	85	22	0	18	3
Ohio C92 (Isenhart)	109	89	22	2	28	2
PAG 347	108	91	20	0	27	3
DeKalb 628A	108	93	21	0	28	4
McCurdy 115M	108	91	21	0	18	0
Iowa 4738	108	89	20	0	23	1
Maygold 59	108	93	20	1	35	2
PAG 351	107	92	20	0	23	4
United UH-55	107	87	25	0	22	5
United UH-52a	107	90	20	1	33	5
Iowa 4652	107	88	19	0	10	1
DeKalb 817A	106	95	21	0	37	7
Harper 317H	106	89	19	0	26	2
Iowa 4576	106	88	19	0	16	1
Funk G-16A	106	89	19	0	33	1
DeKalb 820	106	92	25	0	33	4
United UH-461a	106	90	19	0	31	2
Funk G-75A	106	88	19	0	9	1
PAG 403	105	91	22	0	25	1
DeKalb 847	105	89	22	2	27	3

TABLE 8—DISTRICT 8 (Continued)

Hybrid	Acre yield bu.	Stand pct.	Moist. pct.	Lodging pct. root	Lodging pct. stalk	Dropped ears pct.
Iowa 4575	105	89	18	0	21	2
Maygold 67	105	88	19	0	33	3
DeKalb 852	105	88	24	0	27	5
Iowa 4574	105	82	18	1	24	1
Farmers 549	105	88	23	0	30	1
Holden 55-B	104	90	18	0	28	4
PAG 170	104	92	20	0	29	5
Funk G-76	104	88	20	0	17	2
Iowa 4297	103	88	19	0	16	1
Farmers 427A	103	91	17	0	36	1
Iowa 4570	103	85	19	0	21	0
Iowa 4450	103	91	19	0	25	2
United UH-5*	102	97	28	6	34	3
Berry 650	102	88	20	0	9	1
Farmers 425	102	84	21	0	24	1
Pioneer 347	101	90	17	0	28	2
Pioneer 352	101	95	16	0	20	3
Maygold 69	101	89	19	0	15	4
Iowa 4376	101	88	19	0	24	1
PAG 277	101	87	18	0	20	2
Iowa 4298	100	89	18	0	36	3
PAG 244	100	88	17	0	13	1
Iowa 4249	99	89	19	0	31	3
PAG 234	99	88	18	0	19	4
Iowa 4397	97	90	19	0	13	1
Pioneer 325	96	85	19	0	28	3
Frundt 32	96	90	19	0	27	1
Iowa 306	95	85	19	0	38	4
Farmers 322	95	87	19	0	30	2

* White hybrid.

TABLE 9. AVERAGE PERFORMANCE OF HYBRIDS TESTED IN DISTRICT 9. ALL HYBRIDS ARE DOUBLE CROSSES UNLESS MARKED OTHERWISE.

Hybrid	Acre yield bu.	Stand pct.	Moist. pct.	Lodging pct. root	Lodging pct. stalk	Dropped ears pct.
3-YEAR AVERAGE—1953-1954-1955						
Average all entries	97.7	86	18.5	4.6	16.7	4.6
Cornelius C66	107	89	17	7	18	4
McCurdy 115M	106	86	20	2	11	3
McCurdy 987M	104	82	19	4	19	4
PAG 347	103	85	19	2	21	7
Pioneer 301B	103	90	19	2	15	6
Pioneer 301	103	85	20	4	18	4
DeKalb 627	101	86	18	9	21	3
Pioneer 345	101	85	18	4	12	9
Pioneer 354	99	90	17	5	12	7
Funk G-16A	99	83	18	9	16	2
Ohio C92 (Isenhart)	99	84	19	7	22	3
Iowa 4376 (Johnson)	98	88	18	1	11	3
PAG 277	98	85	17	2	18	4
Maygold 47	98	86	20	5	25	5
Pioneer 352	97	84	16	4	14	3
Pioneer 325	97	90	19	3	11	5
Maygold 59	94	78	19	6	17	3
Maygold 67	94	83	18	4	19	4
Farmers 549	93	83	20	1	25	6
Funk G-60A	91	87	18	5	15	8
Iowa 4298	91	87	18	7	20	3
Pioneer 335	91	88	19	12	17	4
Maygold 69	89	81	17	1	13	4
Maygold 59A	88	87	20	4	15	6
2-YEAR AVERAGE—1954-1955						
Average all entries	104.1	88	22.2	6.8	20.4	4.2
Cornelius C66	119	92	21	11	22	2
PAG 347	114	89	22	3	24	6
Pioneer 301	113	86	23	6	20	3
Funk G-95A	113	87	24	5	25	3
DeKalb 627	112	89	21	13	25	3
Iowa 4622	111	92	23	0	20	6
McCurdy 987M	111	86	23	6	21	3
McCurdy 115M	109	86	24	3	15	2
Pioneer 301B	109	91	23	4	16	5
Moews 520	109	90	23	3	26	4
Pioneer 347	108	92	20	8	21	2
Pioneer 345	107	87	21	7	15	10
Funk G-95	107	88	23	7	28	3
Farmers 537	105	89	25	0	13	3
Funk G-16A	105	84	21	14	19	2
Ohio C92 (Isenhart)	105	85	23	11	26	2
Maygold 47	105	89	23	8	26	5
Iowa 4376 (Johnson)	105	90	21	2	12	3
DeKalb 801	104	90	24	18	19	5
PAG 277	103	87	21	3	22	3
Pioneer 354	103	92	20	7	15	8
Pioneer 325	103	93	23	5	13	6
United UH-52a	102	82	23	11	27	6
Funk G-60A	102	91	21	7	16	9
Berry 825A	102	85	23	2	19	3
Maygold 59	101	80	23	10	21	2
Maygold 67	100	84	21	6	22	4
United UH-47a	100	85	22	15	18	4
United UH-461a	100	90	23	7	19	6
Farmers 549	100	85	23	2	26	5
Pioneer 352	100	86	19	6	19	4
Pioneer 335	98	90	22	18	18	3
Holden H322	97	88	24	2	15	8
Maygold 59a	97	90	24	6	18	5
DeKalb 628A	97	88	23	8	30	5
Iowa 4298	96	91	22	11	26	3
Maygold 69	94	81	21	2	14	4
Moews 550	91	83	21	8	23	4

1955 RESULTS

Eighty-one hybrids were tested at two locations. The average performance of each hybrid is given below. If you state that there is a "real" difference between two randomly selected hybrids when the observed difference in yield exceeds an "LSD" value shown, then the odds of being wrong are 1 to 1, 1 to 4 or 1 to 19 depending on your choice. **(See text, page 7.)**

Odds	LSD (bushels)
1 to 1	7
1 to 4	14
1 to 19	21

Hybrid	Acre yield bu.	Stand pct.	Moist. pct.	Lodging pct. root	Lodging pct. stalk	Dropped ears pct.
Average all entries	99.6	87.9	20.1	1.1	30.1	5.2
Pioneer 345	114	89	18	2	21	13
Cornelius C66	113	92	19	2	34	3
DeKalb 630	111	84	21	1	31	8
Funk G-60A	111	94	20	0	25	12
Iowa 4576	111	88	19	0	20	1
PAG 381	111	86	19	4	37	8
Middlekoop M-8	111	92	21	1	25	5
DeKalb 837	110	90	21	0	33	5
Cornelius C49	110	89	19	2	30	4
McAllister 13A	110	85	21	1	23	8
PAG 351	110	93	20	1	35	10
Funk G-75A	109	92	19	0	14	4
Pioneer 347	109	94	18	1	30	2
DeKalb 627	109	90	19	3	39	4
Farmers 537	109	91	23	0	22	4
McAllister 22A	109	88	22	1	28	7
Moews 523	108	88	22	1	38	9

TABLE 9—DISTRICT 9 (Continued)

Hybrid	Acre yield bu.	Stand pct.	Moist. pct.	Lodging pct. root	Lodging pct. stalk	Dropped ears pct.
Funk G-95A	108	88	21	0	41	3
Farmers 425	108	88	19	0	23	4
Iowa 4622	106	90	20	0	36	8
DeKalb 801	106	90	22	1	28	7
Moews 520	106	89	21	1	43	3
Pioneer 301	105	89	20	0	36	5
Ohio C92 (Isenhart)	105	85	20	0	43	1
PAG 277	105	84	19	2	34	4
Pioneer 325	105	95	20	2	20	8
PAG 347	105	88	21	1	41	7
PAG 170	105	90	20	4	34	5
PAG 401	103	85	20	1	30	6
McNeilly 509A	103	87	22	0	24	4
Pioneer 301B	103	92	19	0	27	5
Pioneer 352	102	87	17	0	28	4
Iowa 4570	102	85	18	0	22	2
PAG 244	102	87	18	0	26	3
Funk G-16A	102	83	18	1	29	3
Funk G-76	101	90	20	0	19	3
Maygold 59	101	87	21	8	36	2
McCurdy 115M	100	89	22	0	22	3
Holden H322	100	90	22	1	28	10
United UH-49b	100	89	21	2	37	6
Maygold 47	100	91	21	3	42	6
Iowa 4297	100	88	19	1	25	2
Farmers 588	99	91	23	3	40	4
AES 801 (Isenhart)	99	86	22	1	18	5
PAG 403	99	87	22	0	31	3
Farmers 427A	98	86	19	0	36	4
PAG 234	98	89	19	0	26	5
Holden Imp. 55	98	87	21	1	24	11
United UH-55	98	87	23	0	13	5
Harper 317H	98	77	19	1	23	4
Renk R500A	97	88	18	0	34	5
DeKalb 628A	97	89	21	0	46	4
McCurdy 987M	97	86	20	3	31	3
DeKalb 847	97	94	20	0	40	5
Maygold 67	97	85	19	0	37	5
Pioneer 329	96	90	19	2	24	6
Kingscrost K3A	96	93	19	0	43	4
Kingscrost KT6	96	89	20	2	29	6
Iowa 4376 (Johnson)	96	88	19	0	18	4
Pioneer 354	94	91	18	1	24	11
Iowa 4249	94	85	19	0	35	3
Pioneer 335	94	90	20	3	29	3
Moews 550	94	87	20	1	38	4
Iowa 4298	92	91	20	0	40	5
Berry 825A	91	84	21	1	29	3
United UH-461a	91	91	19	1	30	10
Funk G-95	91	85	21	0	43	3
McNeilly 403 (Three-way x)	91	83	19	1	36	4
United UH-52a	91	80	21	1	45	5
Iowa 4450	90	88	19	1	24	4
United UH-47a	89	83	19	4	31	5
Maygold 59A	88	89	22	0	27	5
DeKalb 852	88	82	21	4	24	6
Maygold 69	88	83	19	0	26	7
Iowa 4738	87	88	20	0	19	4
Holden H54 (Single x)	86	85	21	1	18	18
Iowa 4397	85	83	18	1	20	7
DeKalb 817A	84	89	20	0	41	2
Farmers 549	84	84	21	1	43	4
Farmers 322	83	81	21	4	23	6
DeKalb 820	82	90	21	0	24	2

TABLE 10. AVERAGE PERFORMANCE OF HYBRIDS TESTED IN DISTRICT 10. ALL HYBRIDS ARE DOUBLE CROSSES UNLESS MARKED OTHERWISE.

Hybrid	Acre yield bu.	Stand pct.	Moist. pct.	Lodging pct. root	Lodging pct. stalk	Dropped ears pct.
2-YEAR AVERAGE—1953-1955**						
Average all entries	77.9	82	16.2	11.2	9.4	3.4
Pioneer 301B	86	86	16	4	5	2
Funk G-95A	86	84	16	7	5	2
PAG 403	86	87	14	14	7	2
PAG 383	85	84	16	10	10	4
PAG 381	83	78	14	15	12	5
Pioneer 301	83	88	17	17	9	1
Pioneer 301C	82	81	17	12	9	2
Maygold 47	82	85	17	8	9	6
Holden H54 (Single x)	80	81	17	24	1	4
Farmers 549	80	82	17	4	19	5
AES 801 (Winterset)	79	86	16	10	7	5
PAG 170	79	77	17	19	5	2
AES 801 (Isenhart)	79	88	16	9	5	3
Funk G-91	78	79	17	20	10	3
Funk G-95	78	83	17	8	10	5
Maygold 39	78	83	17	5	11	4
Maygold 59A	76	78	15	12	7	4
Pioneer 335	76	79	16	8	9	1
Iowa 4385	76	84	16	12	7	3
Ohio C92	75	80	15	6	9	4
Iowa 4513	74	83	15	4	12	5
U. S. 13	74	81	17	4	16	7
Maygold 49	72	81	14	13	12	5
Maygold 59	72	78	15	6	7	2
Iowa 4565	72	81	18	5	6	3
Pioneer 300	71	81	17	25	13	1
Pioneer 302	70	87	19	10	14	3
McCurdy 988	67	81	19	25	19	3

**No data obtained in 1954.

1955 RESULTS

Seventy-two hybrids were tested at one location. The average performance of each hybrid is given below. If you state that there is a "real" difference between two randomly selected hybrids when the observed difference in yield exceeds an "LSD" value shown, then the odds of being wrong are 1 to 1, 1 to 4 or 1 to 19 depending on your choice. **(See text, page 7.)**

Odds	LSD (bushels)
1 to 1	4
1 to 4	8
1 to 19	13

Hybrid	Acre yield bu.	Stand pct.	Moist. pct.	Lodging pct. root	Lodging pct. stalk	Dropped ears pct.
Average all entries	54.1	93	16.9	18.9	12.6	4.6
Cornhusker 3X1 (Three-way x)	74	89	18	20	21	3
Funk G-95A	68	92	17	12	5	5
Cornhusker 3X2 (Three-way x)	68	93	16	18	18	3
PAG 351	68	96	15	12	15	3
PAG 347	67	95	15	22	21	4
PAG 170	67	97	18	35	9	3
Pioneer 329	67	93	14	33	4	8
Pioneer 301B	66	94	15	8	6	3
PAG 383	66	93	17	19	16	5
PAG 381	65	91	14	29	18	7
PAG 392	64	95	16	14	18	8
PAG 403	64	94	15	27	9	1
McNeilly 502B	63	98	19	38	13	8
Farmers 549	62	93	18	8	27	5
Funk G-91	62	90	17	39	16	5
Farmers 588	62	96	16	23	18	3
Maygold 59A	62	94	16	23	10	7
AES 806 (Nebr. Cert. Prod.)	61	97	17	44	12	4
Munson M119	61	93	16	12	20	4
Maygold 47	59	97	17	15	9	9
Pioneer 335	58	92	15	15	14	0
Iowa 4613	58	96	17	16	10	2
Iowa 4385	58	97	17	22	11	5

TABLE 10—DISTRICT 10 (Continued)

Hybrid	Acre yield bu.	Stand pct.	Moist. pct.	Lodging pct. root	Lodging pct. stalk	Dropped ears pct.
Farmers 537	58	88	17	9	9	4
Funk G-76	57	91	16	14	10	5
Maygold 39	57	93	17	10	15	4
Stewart S-130	56	93	16	15	13	5
Winterset 845	56	78	17	5	5	4
Pioneer 301C	56	84	17	22	14	3
Pioneer 301	56	95	17	33	9	2
Cornhusker 248	55	92	18	8	7	3
AES 801 (Gourley)	55	90	18	12	4	1
Turner T60	55	96	16	17	3	1
Ohio C92	55	95	16	11	13	6
PAG 401	54	95	17	27	15	3
Funk G-95	54	96	17	16	9	6
Pioneer X8368	53	97	16	8	19	9
DeKalb 801	53	98	18	46	15	6
Maygold 59	53	95	15	8	13	4
Pioneer 312A	53	94	21	27	13	8
McNeilly 509A	52	94	16	19	3	8
Cornhusker 148	52	93	16	6	22	8
U. S. 13	51	93	17	7	15	10
AES 801 (Winterset)	51	95	17	20	11	6
Iowa 4738	51	89	16	15	12	1
AES 801 (Isenhart)	51	98	16	16	9	4
Maygold 49	51	97	16	23	18	9
Berry 800	51	91	17	9	17	6
United UH-55	50	88	15	24	4	4
Middlekoop M-88	50	92	17	35	7	3
DeKalb 852	49	88	16	6	9	4
Holden H54 (Single x)	49	91	17	47	1	3
Iowa 4565	49	93	18	10	8	5
DeKalb 847	49	93	17	13	7	4
Pioneer 300	48	95	17	49	17	1
Iowa 4513	48	98	16	7	19	9
Holden H322	47	97	16	20	6	4
McCurdy 988	47	95	18	45	29	3
Iowa 4449	46	92	19	7	13	5
DeKalb 875	45	89	18	7	9	0
United UH-52b	45	94	18	11	10	4
DeKalb 837	45	93	20	38	8	3
United UH-59	44	93	19	6	16	6
DeKalb 820	44	91	19	1	22	6
United UH-66	44	90	19	25	7	2
DeKalb 800A	43	86	15	24	16	6
DeKalb 876	42	94	20	4	13	7
Iowa 4688	42	94	18	12	27	4
DeKalb 817A	42	93	17	5	15	5
Gourley GH205	39	93	18	3	11	5
United UH-5*	38	91	19	37	11	9
Pioneer 302	34	95	19	17	12	4

*White hybrid.

TABLE 11. AVERAGE PERFORMANCE OF HYBRIDS TESTED IN DISTRICT 11. ALL HYBRIDS ARE DOUBLE CROSSES UNLESS MARKED OTHERWISE.

Hybrid	Acre yield bu.	Stand pct.	Moist. pct.	Lodging pct. root	Lodging pct. stalk	Dropped ears pct.
3-YEAR AVERAGE—1953-1954-1955						
Average all entries	87.8	82	17.9	0.5	13.9	4.8
Pioneer 301	95	89	18	0	14	5
Pioneer 301B	95	88	17	0	12	6
Ohio C92	95	84	17	0	17	5
Funk G-95A	93	84	18	0	13	3
Funk G-95	93	85	18	0	17	4
PAG 170	92	82	17	1	16	4
Holden H54 (Single x)	90	86	19	0	3	6
AES 801 (Ia.-Mo.)	90	84	19	1	9	5
U. S. 13	89	83	18	3	17	7
Iowa 4565	89	83	18	0	14	5
Berry 813 (Multiple x)	88	81	18	0	14	4
Pioneer 300	88	81	18	1	20	5
Frundt 48A	88	83	19	0	8	4
PAG 383	88	83	17	2	13	5
Pioneer 317	87	84	19	1	12	6
Funk G-91	87	83	19	1	13	6
Maygold 59	87	74	17	0	12	4
Maygold 39	87	81	18	0	17	6
PAG 381	87	75	17	2	12	3
Iowa 4385	86	82	17	0	16	3
Maygold 59A	85	78	18	0	15	4
PAG 403	85	82	18	1	11	3
Maygold 47	85	80	19	0	21	5
AES 801 (Isenhart)	84	84	19	0	10	5
Maygold 49	84	80	16	0	15	8
McCurdy 123-2	84	80	19	0	17	6
Pioneer 335	84	81	18	2	13	2
Farmers 549	81	83	19	0	20	6
Pioneer 339	80	82	16	1	14	5
2-YEAR AVERAGE—1954-1955						
Average all entries	72.5	84	18.1	0.7	18.7	6.5
Pioneer 301B	83	88	17	0	16	8
Cornhusker 3X1 (Three-way x)	82	82	18	0	16	5
Funk G-95	81	86	18	0	21	5
Funk G-95A	80	85	18	0	19	4
Pioneer 301	79	91	19	0	20	8
Ohio C92	78	83	17	0	22	6
PAG 170	77	84	17	1	21	5
PAG 381	77	78	17	3	17	4
Iowa 4565	76	84	18	0	19	5
AES 806 (Nebr. Cert. Prod.)	76	84	19	0	23	9
Cornhusker 3X2 (Three-way x)	76	81	18	4	18	3
U. S. 13	75	82	18	4	20	7
Pioneer 300	75	83	18	1	26	6
AES 801 (Ia.-Mo.)	75	84	19	1	12	6
PAG 392	75	80	17	0	20	8
PAG 383	75	87	17	3	18	7
Pioneer 317	75	88	18	1	15	8
Frundt 48A	74	84	19	0	12	6
Holden H322	74	79	18	0	16	6
Maygold 39	74	84	18	0	22	8
Berry 813 (Multiple x)	73	82	18	0	19	6
United UH-55	73	83	19	0	11	8
Farmers 537	72	85	19	0	17	7
Pioneer 350B	72	79	16	0	24	9
Funk G-60A	72	84	17	1	18	7
United UH-5*	72	88	23	3	15	5
Maygold 59	72	76	17	0	16	5
Maygold 47	71	82	18	0	26	6
DeKalb 801	71	86	20	1	18	4
Maygold 49	71	83	17	0	20	11
Maygold 59A	71	77	18	0	21	6
PAG 403	70	81	18	2	14	4
Pioneer 335	70	85	17	3	18	3
Iowa 4385	70	80	17	0	22	5
Funk G-91	69	86	19	1	17	8
Iowa 4449	69	84	19	0	20	8
DeKalb 800A	69	80	18	0	24	6
Moews 523	69	87	19	0	23	10
Cornhusker 148	68	86	18	0	22	6
Holden H54 (Single x)	67	87	19	0	5	9

TABLE 11—DISTRICT 11 (Continued)

Hybrid	Acre yield bu.	Stand pct.	Moist. pct.	Lodging pct. root	Lodging pct. stalk	Dropped ears pct.
McCurdy 123-2	67	83	19	0	22	8
AES 801 (Isenhart)	67	85	19	0	14	7
Farmers 549	67	85	19	0	28	8
Moews 520	66	83	18	1	21	6
United UH-59	66	83	19	1	14	5
Pioneer 339	65	85	17	1	18	7
Cornhusker 248	64	84	18	1	23	10

1955 RESULTS

Seventy-two hybrids were tested at two locations. The average performance of each hybrid is given below. If you state that there is a "real" difference between two randomly selected hybrids when the observed difference in yield exceeds an "LSD" value shown, then the odds of being wrong are 1 to 1, 1 to 4 or 1 to 19 depending on your choice. **(See text, page 7.)**

Odds	LSD (bushels)
1 to 1	6
1 to 4	12
1 to 19	18

Hybrid	Acre yield bu.	Stand pct.	Moist. pct.	Lodging pct. root	Lodging pct. stalk	Dropped ears pct.
Average all entries	70.9	87.1	17.8	0.5	28.2	5.7
Pioneer 329	85	89	15	0	15	3
Funk G-95	82	87	18	0	31	4
PAG 401	80	90	18	1	28	9
Pioneer X8368	79	91	16	0	26	7
Funk G-95A	78	83	17	1	27	1
Middlekoop M-66	78	78	18	0	14	3
Ohio C92	78	89	17	0	32	7
Pioneer 301B	78	90	17	0	25	8
PAG 381	77	86	17	1	26	4
Pioneer 300	77	86	18	1	40	5
DeKalb 801	77	87	20	1	27	2
Iowa 4613	77	86	19	0	29	3
PAG 392	77	85	17	0	30	8
PAG 170	76	88	17	2	34	5
Cornhusker 3X1 (Three-way x)	76	84	18	1	26	3
DeKalb 847	75	88	17	0	26	7
U. S. 13	75	80	18	0	23	9
Holden H322	75	84	17	0	27	6
PAG 347	75	88	17	0	25	4
Iowa 4688	75	92	20	0	42	6
Maygold 39	75	88	17	0	35	6
PAG 383	75	91	17	4	28	8
Maygold 59	74	82	16	1	29	5
PAG 351	74	83	16	1	25	5
McCurdy 987M	74	87	16	0	34	5
Berry 813 (Multiple x)	74	86	17	0	29	3
Pioneer 317	73	92	17	0	23	8
Iowa 4565	73	89	18	0	31	3
Maygold 47	73	89	17	0	41	9
Pioneer 301	73	94	18	0	32	5
Funk G-91	73	91	18	0	29	9
Maygold 49	72	89	16	0	29	7
Winterset 845	72	83	18	0	11	7
Cornhusker 3X2 (Three-way x)	72	87	17	0	31	3
Munson M119	72	92	19	1	36	8
AES 806 (Nebr. Cert. Prod.)	72	85	20	0	35	9
DeKalb 875	71	85	18	0	20	5
United UH-52b	71	86	18	1	38	3
Iowa 4738	71	86	17	0	28	3
Funk G-60A	71	85	16	1	25	5
Farmers 549	71	89	18	0	47	5
Frundt 48A	70	88	20	0	18	4
Farmers 537	70	87	19	0	25	9
Pioneer 335	70	89	16	3	28	4
Iowa 4385	70	85	16	0	39	8
Moews 523	69	90	19	0	35	10
Maygold 59A	69	80	18	0	35	4
DeKalb 852	69	82	18	2	21	6
DeKalb 837	68	88	19	1	16	4
McCurdy 123-2	68	85	19	0	33	5
AES 801 (Ia.-Mo.)	68	89	19	1	18	3
Funk G-76	68	88	16	0	30	6
DeKalb 800A	68	82	17	0	40	5
Pioneer 350B	68	83	16	0	40	9
Holden H54 (Single x)	68	90	18	0	7	6
Farmers 588	67	87	18	0	32	5
United UH-55	66	87	19	0	17	10
Moews 520	66	85	18	1	38	5
DeKalb 876	66	89	20	0	33	5
DeKalb 817A	65	90	17	0	35	6
PAG 403	64	85	18	1	23	3
Turner T60	64	85	17	0	23	7
McNeilly 509A	62	87	20	0	15	5
Cornhusker 148	61	90	17	0	38	5
AES 801 (Isenhart)	61	90	19	0	21	5
United UH-5*	61	91	23	0	24	6
United UH-66	61	85	20	0	25	4
United UH-59	60	87	20	1	21	6
DeKalb 820	60	93	20	0	19	6
Iowa 4449	60	90	20	0	31	8
Pioneer 339	58	89	16	0	30	5
Cornhusker 248	58	90	18	0	30	10

*White hybrid.

TABLE 12. AVERAGE PERFORMANCE OF HYBRIDS TESTED IN DISTRICT 12. ALL HYBRIDS ARE DOUBLE CROSSES UNLESS MARKED OTHERWISE.

Hybrid	Acre yield bu.	Stand pct.	Moist. pct.	Lodging pct. root	Lodging pct. stalk	Dropped ears pct.
3-YEAR AVERAGE—1953-1954-1955						
Average all entries	95.7	84	20.0	5.0	6.5	1.8
Funk G-95	102	81	19	6	9	2
Holden H54 (Single x)	101	84	21	2	2	4
McAllister 11	101	84	20	6	5	4
Pioneer 301	100	87	20	7	7	2
PAG 381	100	83	19	6	7	1
Pioneer 301C	100	89	20	13	8	2
Ohio C92	99	88	21	3	5	2
U. S. 13	99	87	20	5	10	2
Pioneer 301B	99	84	19	5	4	2
Maygold 59A	98	79	20	4	5	1
Maygold 39	98	85	20	1	7	3
PAG 170	98	83	19	4	7	1
McCurdy 124-2	97	84	18	5	8	1
PAG 383	97	86	20	11	7	2
Iowa 4385	96	86	20	4	7	0
Funk G-95A	96	84	21	3	8	1
Maygold 47	96	81	21	2	5	1
Pioneer 317	95	82	21	11	6	3
AES 801 (Isenhart)	95	85	21	2	4	1
Iowa 4565	94	82	21	4	6	2
McCurdy 123-2	94	84	22	1	6	4
Pioneer 300	94	79	21	15	10	1
Funk G-91	93	81	21	2	8	3
Pioneer 335	93	81	20	6	4	1
PAG 403	93	86	21	5	4	2
Maygold 59	93	80	20	5	6	1
AES 801 (Ia.-Mo.)	92	83	21	4	6	2
Farmers 549	89	85	21	6	9	3
Iowa 4513	88	86	19	3	9	2
Maygold 49	88	80	19	1	6	1
Pioneer 339	87	83	18	6	6	2

TABLE 12—DISTRICT 12 **(Continued)**

Hybrid	Acre yield bu.	Stand pct.	Moist. pct.	Lodging pct. root	Lodging pct. stalk	Dropped ears pct.
2-YEAR AVERAGE—1954-1955						
Average all entries	101.0	88	20.4	6.8	7.2	2.4
AES 806 (Nebr. Cert. Prod.)	109	90	22	3	7	5
Funk G-95	108	86	20	10	10	2
Holden H322	107	89	21	1	5	2
Dockendorff 52	107	93	20	3	7	2
Iowa 4385	107	93	20	6	8	1
McAllister 11	106	87	21	8	5	4
Maygold 39	106	91	20	2	9	3
U. S. 13	106	90	20	8	11	2
Pioneer 301B	106	91	20	7	5	3
PAG 381	105	87	19	8	8	1
Pioneer 301	105	89	20	11	8	2
McAllister 13A	105	88	20	0	2	3
Funk G-95A	105	88	21	5	9	1
Ohio C92	104	91	20	5	5	2
Pioneer 301C	104	93	21	19	8	3
Iowa 4565	103	87	21	6	7	2
PAG 170	102	89	20	5	8	2
Funk G-60A	102	88	19	4	6	3
Holden H54 (Single x)	102	88	21	2	3	6
PAG 403	102	92	21	7	4	2
AES 801 (Isenhart)	102	88	21	3	5	1
Funk G-91	101	86	21	4	11	5
Maygold 59A	101	84	20	5	7	2
McCurdy 124-2	101	86	20	7	6	1
Maygold 47	100	89	21	3	7	1
United UH-5*	100	91	25	7	8	1
DeKalb 800A	100	90	21	16	10	4
PAG 383	99	89	20	16	7	3
Pioneer 300	99	87	21	22	12	1
Pioneer 350B	99	88	18	13	8	2
McCurdy 123-2	98	86	21	2	8	5
Pioneer 335	98	84	20	8	5	1
Pioneer 317	98	88	21	15	8	4
Farmers 537	98	89	21	7	8	2
Farmers 549	97	91	20	9	9	5
PAG 392	97	84	20	4	9	2
Maygold 59	97	82	21	8	7	1
Iowa 4449	97	81	21	5	10	1
AES 801 (Ia.-Mo.)	96	89	21	5	5	2
Maygold 49	95	82	18	1	8	1
United UH-55	93	84	21	6	3	1
Iowa 4513	93	91	19	5	10	2
Pioneer 339	91	89	19	9	6	2
DeKalb 801	90	88	22	2	8	4

1955 RESULTS

Seventy-two hybrids were tested at two locations. The average performance of each hybrid is given below. If you state that there is a "real" difference between two randomly selected hybrids when the observed difference in yield exceeds an "LSD" value shown, then the odds of being wrong are 1 to 1, 1 to 4 or 1 to 19 depending on your choice. **(See text, page 7.)**

Odds	LSD (bushels)
1 to 1	4
1 to 4	8
1 to 19	12

Hybrid	Acre yield bu.	Stand pct.	Moist. pct.	Lodging pct. root	Lodging pct. stalk	Dropped ears pct.
Average all entries	102.1	90.2	18.8	1.3	8.6	1.7
Iowa 4667	116	91	22	1	8	3
Middlekoop M-33 (Single x)	115	91	19	2	3	4
Iowa 4517	114	94	19	1	4	2
Holden H322	112	89	19	0	7	2
Iowa 4688	111	91	21	0	12	1
Pioneer 301C	110	94	19	1	8	1
AES 806 (Nebr. Cert. Prod.)	110	90	20	1	11	5
McAllister X1001	110	82	19	1	7	2
Munson M119	109	93	19	0	10	3
McAllister 13A	109	90	19	0	3	1
McAllister 11	109	90	19	1	6	5
Funk G-95	108	91	18	3	8	1
Dockendorff 52	108	93	18	1	10	1
Holden H54 (Single x)	108	88	19	1	3	4
Funk G-60A	107	90	19	0	7	0
Iowa 4613	107	92	19	0	12	4
United UH-49b	106	88	17	2	10	1
Pioneer 329	106	93	17	3	4	1
PAG 381	106	92	18	4	10	0
U. S. 13	106	91	17	0	14	1
Iowa 4385	106	92	18	1	11	0
Dockendorff 101	105	84	19	0	3	1
Maygold 39	104	93	18	0	13	2
Funk G-91	104	88	19	0	15	4
Funk C-95A	104	91	19	0	8	0
Funk G-76	104	90	17	0	5	0
Farmers 588	103	88	19	0	10	2
Maygold 59A	103	90	18	3	9	1
Pioneer 301	103	93	18	2	9	4
Pioneer 335	103	91	19	7	6	0
Maygold 59	103	92	19	0	9	1
Pioneer 301B	103	94	18	0	5	4
Iowa 4617	103	94	17	0	4	4
DeKalb 800A	103	92	18	5	15	1
Pioneer 300	102	90	19	2	13	0
PAG 392	102	89	18	1	9	1
Ohio C92	102	93	18	2	7	1
DeKalb 817A	102	92	18	3	10	2
AES 801(Isenhart)	101	90	19	1	8	1
PAG 403	101	95	18	3	5	2
United UH-66	101	93	20	3	12	2
McCurdy 124-2	100	91	18	0	9	0
Maygold 49	100	89	16	1	11	2
Iowa 4565	100	91	20	1	8	1
DeKalb 875	100	90	19	0	9	2
Maygold 47	100	89	19	1	6	1
PAG 383	100	87	18	4	9	2
DeKalb 820	100	93	20	0	7	0
Pioneer 350B	100	88	16	4	9	1
Iowa 4744	99	90	20	1	9	2
Iowa 4618	99	87	19	0	13	1
Iowa 4738	99	89	18	0	2	0
DeKalb 847	99	91	19	0	8	1
Berry 825A	98	91	19	1	7	1
PAG 401	98	88	20	2	7	3
Pioneer 317	98	89	19	1	8	3
Iowa 4449	98	87	19	0	14	0
Farmers 537	97	87	20	0	5	1
PAG 351	97	90	17	1	9	1
Farmers 549	97	91	19	2	12	1
McCurdy 123-2	97	90	20	0	11	5
United UH-5*	95	94	22	0	12	1
DeKalb 801	95	90	21	2	13	2
PAG 347	95	89	18	2	10	1
DeKalb 876	95	89	21	1	9	2
PAG 170	95	88	19	3	9	0
AES 801 (Ia.-Mo.)	94	89	19	1	6	1
DeKalb 837	94	89	20	1	8	1
Pioneer 339	94	92	17	1	7	1
DeKalb 852	91	88	19	1	7	2
Iowa 4513	91	92	17	0	16	1
United UH-55	88	83	20	2	4	1

*White hybrid.

INDEX OF ENTRIES

Hybrids tested in the 1955 Iowa Corn Yield Test are listed alphabetically showing districts where tested and bushels available for planting in 1955.

Hybrid	District(s)	Bushels available for planting in 1955‡
AES 801 (Coppock)	7	400
AES 801 (Gourley)	10	2,000
AES 801 (Ia.-Mo.)	11-12	4,000
AES 801 (Isenhart)	7-8-9-10-11-12	3,000
AES 801 (Winterset)	10	2,200
AES 801	4	*
AES 806 (Nebr. Cert. Prod.)	10-11-12	12,000
Berry 401	3	1,387
Berry 425	2	3,194
Berry 450	1	1,575
Berry 525	6	1,735
Berry 615B	4	4,702
Berry 625	7	2,415
Berry 650	5-8	977
Berry 800	10	2,318
Berry 813	11	8,074
Berry 825A	9-12	2,686
Carlson C12	1-2	4,000
Carlson C16	5-6	900
Carlson C21	4-7	900
Cornelius C49	6-9	900
Cornelius C66	9	200
Cornelius C77	8	125
Cornelius 252C	2-3	300
Cornelius 405	5	225
Cornhusker 75	4-5-7	16,126
Cornhusker 84	4-5-7	7,217
Cornhusker 148	10-11	26,557
Cornhusker 248	10-11	11,205
Cornhusker 3x1	4-5-7-10-11	20,713
Cornhusker 3x2	4-5-7-10-11	22,263
Corn King 112	1-2-3	650
Corn King 113	1	80
Corn King 114	4	1,000
Corn King 120	7	55
Corn King 121	5	150
Corn King 123	4	200
DeKalb 248	3	87,250
DeKalb 252	1-2-3	36,340
DeKalb 402	1-2-3-6	12,215
DeKalb 406	1-2-3-6	174,000
DeKalb 409	1-2-3-6	94,000
DeKalb 414	1-2-3	80
DeKalb 415	3	85,000
DeKalb 450	1-2-3-4-5-6	33,800
DeKalb 455	1-2-6	162,500
DeKalb 459	1-2-3-4-5-6	71,000
DeKalb 603	4-5-6	60
DeKalb 627	2-4-5-6-7-8-9	158,000
DeKalb 628A	4-5-7-8-9	53,000
DeKalb 630	1-4-5-6-7-8-9	41,500
DeKalb 800A	4-10-11-12	29,750
DeKalb 801	7-8-9-10-11-12	32,800
DeKalb 817A	7-8-9-10-11-12	37,600
DeKalb 820	4-5-7-8-9-10-11-12	21,700
DeKalb 837	5-7-8-9-10-11-12	51,000
DeKalb 847	4-5-7-8-9-10-11-12	90,500
DeKalb 852	7-8-9-10-11-12	10,600
DeKalb 875	10-11-12	23,500
DeKalb 876	10-11-12	5,700
Dockendorff 52	12	650
Dockendorff 101	12	400
Farmers 205	3	114
Farmers 222	1-2-3	745
Farmers 223	1-2-3	7,264
Farmers 259	1-2-3-6	3,308
Farmers 285	1-2-6	168
Farmers 309	1-2-3-4-5-6	8,400
Farmers 319	1-2-3-5-6	10,212
Farmers 322	4-5-7-8-9	9,460
Farmers 327	1-2-5-6	8,748
Farmers 425	4-5-7-8-9	58
Farmers 427A	1-2-4-5-6-7-8-9	42,500
Farmers 537	4-7-8-9-10-11-12	1,687
Farmers 549	4-7-8-9-10-11-12	4,950
Farmers 588	4-7-8-9-10-11-12	3,421
Frundt 32	8	150
Frundt 48A	11	190
Funk G-6	1-2-3	52,671
Funk G-16A	1-2-4-5-6-7-8-9	46,088
Funk G-18	3	21,132
Funk G-20	1-2-3	10,574
Funk G-22	1-2-3-4-5-6	10,591
Funk G-23	1-2-3-5-6	1,720
Funk G-26	3-6	17,551
Funk G-30A	1-2-3-5-6	8,038
Funk G-33A	1-2-4-5-6	2,879
Funk G-60A	7-8-9-11-12	10,721
Funk G-75A	1-2-4-5-6-7-8-9	9,351
Funk G-76	7-8-9-10-11-12	189
Funk G-91	4-7-10-11-12	5,851
Funk G-95	4-7-8-9-10-11-12	2,465
Funk G-95A	4-7-8-9-10-11-12	5,270
Funk 42006	4-5	89
Funk 42042	1-2-3-6	257
Gourley GH205	10	70
Green Acres 395	4	1,000
Green Acres 496	4	500
Gruhn 108A	5	2,500
Gruhn 112	5	2,000
Gruhn 114	4-7	2,000
Gruhn 116	4-7	3,000
Harper 200H	3	300
Harper 303H	2-5-6	550
Harper 307H	4-7	400
Harper 317H	5-8-9	550
Holden 22-B	8	500
Holden H54	7-8-9-10-11-12	300
Holden 55-B	8	1,500
Holden Imp. 55	9	1,000
Holden H62	4-5	80
Holden H71	3	65
Holden H72	1-2-6	150
Holden 105-H	3	600
Holden 215-H	6	500
Holden H322	7-9-10-11-12	500
Iowa 306	5-8	*
Iowa 4249	4-5-7-8-9	*
Iowa 4297	1-4-5-7-8-9	*
Iowa 4298	1-2-4-7-8-9	*
Iowa 4298 (Ia.St.Hyb.C.Co.)	5-6	2,500
Iowa 4316	1-2-3-5-6	*
Iowa 4376	1-7-8	*
Iowa 4376 (Ia.St.Hyb.C.Co.)	5-6	800
Iowa 4376 (Johnson)	4-5-6-9	5,400
Iowa 4385	7-10-11-12	*
Iowa 4397	1-2-5-6-8-9	*
Iowa 4412	5-7	*
Iowa 4417	1-2-3-6	*
Iowa 4418	1-2-5	*
Iowa 4439	4-7	*
Iowa 4449	10-11-12	*
Iowa 4450	4-5-8-9	*
Iowa 4470	1-2-5-6	*
Iowa 4483	1-2-3-5-6	*
Iowa 4513	10-12	*
Iowa 4517	4-7-8-12	*
Iowa 4542	2-3	*
Iowa 4558	2-3-6	*
Iowa 4565	10-11-12	*
Iowa 4570 (Cornelius)	1-6	200
Iowa 4570 (Ia.St.Hyb.C.Co.)	5-6	800
Iowa 4570	7-8-9	*
Iowa 4574	5-7-8	*
Iowa 4575	1-5-7-8	*
Iowa 4576	4-5-7-8-9	*
Iowa 4613	10-11-12	None
Iowa 4617	4-7-8-12	None
Iowa 4618	12	None
Iowa 4622	4-7-8-9	None
Iowa 4630	2-3-6	*
Iowa 4644	2-3-6	None
Iowa 4645	2-3-6	None
Iowa 4646	1-6	None
Iowa 4652	1-5-7-8	None
Iowa 4667	12	None
Iowa 4688	10-11-12	None
Iowa 4695	5	None
Iowa 4702	1	None
Iowa 4720	5	None

INDEX OF ENTRIES—Continued

Hybrid	District(s)	Bushels available for planting in 1955‡
Iowa 4722	5	None
Iowa 4738	4-7-8-9-10-11-12	None
Iowa 4744	12	None
Jacobsen J10A	1	500
Jacobsen J20A	4-5	1,500
Jacobsen J200	4-5	600
King K110	4	800
Kingcrost K3A	5-6-9	4,800
Kingscrost KO4	1-2-3	900
Kingscrost KO5	1-2-3	18,000
Kingscrost KT	1-2-3	25,000
Kingscrost KT6	5-6-9	6,000
Matheson 210	2	100
Maygold 39	10-11-12	1,000
Maygold 47	4-7-8-9-10-11-12	3,000
Maygold 49	10-11-12	8,000
Maygold 59	4-7-8-9-10-11-12	2,500
Maygold 59A	4-7-8-9-10-11-12	22,000
Maygold 67	1-2-3-4-5-6-7-8-9	15,000
Maygold 69	4-5-6-7-8-9	1,900
Maygold 89	1-2-3-5-6	3,600
Maygold 97	1-2-3-5-6	1,800
Maygold 99A	1-2-3-5-6	12,000
Maygold 107	1-2-3	500
McAllister 11	12	1,200
McAllister 13A	8-9-12	750
McAllister 22A	9	75
McAllister X1001	8-12	140
McCurdy 96M	2-3	3,000
McCurdy 100-1	5	325
McCurdy 100-2	8	300
McCurdy 111M	1-6	2,200
McCurdy 111-1	1-2	450
McCurdy 115M	4-5-6-7-8-9	1,000
McCurdy 123-2	11-12	2,000
McCurdy 124-2	12	1,100
McCurdy 987M	7-8-9-11	2,200
McCurdy 988	10	2,500
McNeilly 302A	3	211
McNeilly 403	5-9	130
McNeilly 500A	7	180
McNeilly 502B	4-10	125
McNeilly 509A	9-10-11	500
Middlekoop M-1	7	300
Middlekoop M-8	9	1,675
Middlekoop M-16	8	1,750
Middlekoop M-33	12	112
Middlekoop M-66	11	961
Middlekoop M-88	10	1,440
Minn. 608	3	——
Moews 14DR	4-5	200
Moews 14E	1-2-3	14,000
Moews 15	1-2-3-4-5-6	7,000
Moews 16	1-3	110
Moews 520	7-9-11	7,700
Moews 523	7-9-11	12,000
Moews 535	4	1,100
Moews 550	7-9	10,000
Moews 5060	1-2-3-6	860
Moews 5061	6	137
Moews 5063	2	170
Munson M119	10-11-12	650
N.I.A.E.A. 333	1-2-5	562
N.I.A.E.A. 444	1-2-5	430
Ohio C92 (Ia.St.Hyb.C.Co.)	4-7	1,000
Ohio C92 (Isenhart)	7-8-9	1,000
Ohio C92	10-11-12	*
PAG 56	3	25,100
PAG 57	1-2-3-6	14,100
PAG 58	2-3	10,900
PAG 71	1-2-3-6	17,800
PAG 170	4-7-8-9-10-11-12	83,000
PAG 234	1-2-3-5-6-7-8-9	14,600
PAG 244	1-2-3-4-5-6-7-8-9	49,300
PAG 277	1-2-3-4-5-6-7-8-9	32,000
PAG 297	1-6	6,926
PAG 299	1-2-5-6	78,000
PAG 303	1-4-5	45,000
PAG 347	4-5-7-8-9-10-11-12	98,000
PAG 351	4-5-7-8-9-10-11-12	31,300
PAG 381	4-5-7-8-9-10-11-12	10,587
PAG 383	7-10-11-12	48,500
PAG 392	4-10-11-12	15,200
PAG 401	7-8-9-10-11-12	11,700
PAG 403	8-9-10-11-12	26,800
PAG X7220	1-2-3-4-5-6	161
PAG X8482	2-3	505
Pioneer 300	10-11-12	134,135
Pioneer 301	4-7-8-9-10-11-12	21,097
Pioneer 301B	7-8-9-10-11-12	18,117
Pioneer 301C	4-7-10-12	19,377
Pioneer 302	10	69,781
Pioneer 312A	10	15,595
Pioneer 317	11-12	38,965
Pioneer 325	1-4-6-8-9	59,253
Pioneer 329	4-5-7-8-9-10-11-12	12,844
Pioneer 335	4-7-8-9-10-11-12	75,803
Pioneer 339	11-12	74,485
Pioneer 344	1-2-3-5-6	43,505
Pioneer 345	4-5-6-7-8-9	54,504
Pioneer 347	1-2-3-4-5-6-8-9	58,606
Pioneer 349	1-2-3-5-6	324,272
Pioneer 350B	5-11-12	22,150
Pioneer 352	1-2-3-4-5-6-7-8-9	210,966
Pioneer 354	1-2-3-5-6-7-8-9	55,328
Pioneer 371	1-2-3-5-6	45,425
Pioneer 377A	2-3	95,309
Pioneer 383	3	25,262
Pioneer X2772	1-2-3-6	51
Pioneer X8368	4-7-10-11	60
Renk R202A	3-6	5,200
Renk R500A	3-6-9	2,000
Stewart S-60	4	100
Stewart S-130	10	250
Tomahawk 43	1-2-5-6	2,500
Trojan F-102	1-2-3	9,000
Trojan F-104	1-2-3	300
Turner T36	2-5-6	2,000
Turner T48	5-7	2,000
Turner T49	7-8	6,000
Turner T60	10-11	700
Turner T216	1-2-3	1,000
United UH-5 (white hybrid)	7-8-10-11-12	1,302
United UH-30a	1-2-3	2,300
United UH-32a	1-2-3-5	10,000
United UH-36	1-2	5,250
United UH-36a	1-2	150
United UH-39	1-2-3-4-5	5,700
United UH-41a	4-5-6	500
United UH-47a	4-5-7-9	9,200
United UH-49b	8-9-12	50
United UH-52a	8-9	5,300
United UH-52b	4-7-10-11	50
United UH-55	4-5-7-8-9-10-11-12	6,100
United UH-59	10-11	8,400
United UH-66	10-11-12	600
United UH-201	3	6,400
United UH-214	1-2-3	5,300
United UH-428	1-4-5-6	9,000
United UH-461a	4-6-8-9	5,700
United UH-461c	2	5,400
United UH-1113	3	70
United UH-X400	5-6	100
U. S. Hybrid 13	10-11-12	*
Winterset 845	10-11	1,500

‡Bushels available for planting in 1955 gives an indication of the relative past seed production of the various hybrids.

*A list of certified producers of Iowa hybrids may be obtained from your County Extension Director or the Iowa Crop Improvement Association, Ames, Iowa.